



*Independent Statistics & Analysis*

U.S. Energy Information  
Administration

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# Petroleum Marketing Monthly

January 2020



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# Preface

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The *Petroleum Marketing Monthly* (PMM) provides information and statistical data on a variety of crude oils and refined petroleum products. The publication presents statistics on crude oil costs and refined petroleum products sales for use by industry, government, private sector analysts, educational institutions, and consumers. Data on crude oil include the domestic first purchase price, the *free on board* cost (FOB) and *landed* cost of imported crude oil, and the refiners' acquisition cost of crude oil. Refined petroleum product sales data include motor gasoline, distillates, residuals, aviation fuels, kerosene, and propane. The Office of Petroleum and Biofuels Statistics at the, U.S. Energy Information Administration (EIA) ensures the accuracy, quality, and confidentiality of the published data in the *Petroleum Marketing Monthly*.

## Scope of data

The data within the *Petroleum Marketing Monthly* are compiled from five EIA survey forms. The crude oil statistics are calculated from data collected on the following three survey forms: Form EIA-182, Domestic Crude Oil First Purchase Report; Form EIA-856, Monthly Foreign Crude Oil Acquisition Report; and Form EIA-14, Refiners' Monthly Cost Report.

The statistics on petroleum product sales prices and volumes are derived from Form EIA-782A, Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report.

The data presented in Tables 45 to 47 are derived from aggregations of data from Form EIA-782C, Monthly Report of Prime Supplier Sales of Petroleum Products Sold for Local Consumption.

## Sections

Monthly statistics on purchases of crude oil and sales of petroleum products are presented in the *Petroleum Marketing Monthly* in six sections:

- Highlights
- Summary statistics
- Crude oil prices
- Prices of petroleum products
- Volumes of petroleum products
- Prime supplier sales volumes of petroleum products for local consumption

The publication highlights salient statistics for the United States in the Summary Statistics section. More detailed geographic coverage occurs in the other four sections. Geographic coverage for crude oil includes country of origin for foreign crude and Petroleum Administration for Defense (PAD) Districts and individual states for domestic crude oil. Geographic coverage of the petroleum products includes PAD Districts and individual states.

Detailed statistics for crude oil, including the price of imported crude oil by country of origin, by gravity, and by crude stream, can be found in the Crude Oil Prices section.

PAD District and/or state-level statistics for petroleum products are presented in the Prices, Volumes, and Prime Supplier Sales of Petroleum Products sections. To aid the reader in determining the market changes, the majority of the tables show data for the report month and previous month for the current year, as well as the report month for the previous year.

## Notes on the tables

- For the crude oil statistics referencing Form EIA-182, *United States* includes the 50 States, the outer continental shelf, and the District of Columbia. For crude oil statistics referencing either Form EIA-14 or Form EIA-856, *United States* includes the 50 States, the District of Columbia, Puerto Rico, the Virgin Islands, and all American territories and possessions. For the petroleum products data, United States includes the 50 States and the District of Columbia.
- Prices exclude taxes. Refer to the Explanatory Notes for a tax table on motor fuels.
- Some of the tables use state abbreviations. Refer to the Explanatory Notes for a table of U.S. Postal State abbreviations.
- Sales of leaded gasoline are a component of averages and totals before October 1993.
- References to *Refiners* include gas plant operators (see the Glossary for definition of *Gas plant operators*).
- *Prime supplier* refers to a firm that produces, imports, or transports any of the selected petroleum products across state boundaries and local marketing areas and sells the product to local distributors, local retailers, or end users.
- The category *retail outlet* refers to any company-operated outlet selling gasoline, on-highway diesel fuel, or propane for on-highway vehicle use (see Glossary).
- No. 2 distillate volumes and prices are classified in accordance with what the product was sold as, regardless of the actual specifications of that product (see definitions of No. 2 distillate in the Glossary).
- Beginning with the February 2007 data release, EIA revised the table formats and content for the *Petroleum Marketing Monthly* (PMM) to eliminate oxygenated gasoline as a separate category and to revise the categories of diesel fuel (i.e., ultra-low sulfur, low sulfur, and high sulfur). In conjunction with these changes, the *total* columns in certain PMM tables have been eliminated to help ensure that sensitive data reported to EIA by individual survey respondents may not be closely estimated using the aggregates published by EIA. Refer to the Product Guide for new table numbers.
- As of January 2012, EIA changed the methodology used to calculate the initial price estimates for refiner acquisition costs of crude oil. The price estimate for domestic crude oil comes from a regression model based on West Texas Intermediate (WTI) crude oil spot market prices. The price estimate for imported crude oil comes from a regression model that uses a basket of world crude oil prices. The composite price estimate is a weighted average of the domestic and imported prices based on refinery receipts data found in the *Petroleum Supply Annual*.
- Final revisions to 2010 and 2011 monthly and annual values in Tables 1, 1A, and 18–27 were added to the *Petroleum Marketing Monthly* in the March 2013 issue.
- As of the March 2016 data release, January and February 2016 OPEC and non-OPEC crude oil prices in Tables 21 and 22 were revised to include Indonesia in OPEC and exclude it from non-OPEC.
- Beginning with the November 2017 data release, EIA responded to the increase of crude oil activity in the North Dakota region. EIA replaced the North Dakota Sweet Crude Stream on the EIA-182, Domestic Crude Oil First Purchase Report with the predominant North Dakota Bakken Crude Stream to provide an accurate price estimate for an important high volume crude stream regularly traded in domestic crude oil markets.

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## Highlights

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### Crude oil

- Monthly average prices for crude oil fell in all sales categories during October. The average domestic crude oil first purchase price declined \$1.93 (3.5%) to \$53.14 per barrel.
- The average free-on-board (f.o.b.) cost of imported crude oil decreased \$2.70 (5.1%) to \$49.77 per barrel. The average landed cost of foreign crude oil fell \$2.07 (3.8%) to \$52.86 per barrel.
- The average refiner acquisition cost for domestic crude oil decreased \$2.72 (4.6%) to \$56.69 per barrel. The average cost of imported crude oil fell \$3.00 (5.2%) to \$54.31 per barrel. The composite refiner acquisition cost for crude oil declined \$2.80 (4.8%) to \$55.80 per barrel.

### Petroleum products

#### *Motor gasoline*

- Monthly average prices for motor gasoline sales by refiners were generally on the rise in October. The average retail price increased 4.7 cents to \$2.289 per gallon, while the average wholesale price rose 1.7 cents to \$1.871 per gallon.
- Refiner finished motor gasoline sales show mixed trends in October. Total sales climbed 3.1 million gallons per day (1.0%) to an average of 329.3 million gallons per day. Retail sales decreased 100,000 gallons per day (0.4%), while wholesales increased 3.2 million gallons per day (1.1%). DTW sales accounted for 7.0% of wholesales, while rack and bulk sales made up 88.7% and 4.3%, respectively.

#### *No. 2 distillate*

- Refiner prices for No. 2 distillates sales were mostly on the increase during October. The average price for No. 2 diesel fuel sold to end users rose 3.3 cents to \$2.134 per gallon, while the average wholesale price increased 2.9 cents to \$1.984 per gallon. The average retail price for No. 2 fuel oil sales declined 2.6 cents to \$2.174 per gallon, while the average wholesale price rose 2.5 cents to \$1.926 per gallon.
- Monthly sales of No. 2 ultra-low sulfur diesel by refiners rose 7.3 million gallons per day (4.3%) to 178.0 million gallons per day in October. Retail sales dropped 1.1 million gallons per day (9.2%), while wholesales increased 8.4 million gallons per day (5.3%).

#### *Residual fuel oil*

- Prices for refiner sales of residual fuel oil were on the decline in October. The average retail price for residual fuel oil fell 1.7 cents to \$1.543 per gallon, while the average wholesale price declined 7.4 cents to \$1.263 per gallon.
- October refiner residual fuel oil sales decreased to 10.5 million gallons per day. Retail sales dropped 400,000 gallons per day (12.5%), while wholesales rose 200,000 gallons per day (2.7%).

#### *Other products*

- Monthly average prices for refiner sales of other finished products increased in October. Prices for propane, kerosene-type jet fuel, and No. 1 distillate rose in both the retail and wholesale categories. Aviation gasoline and kerosene prices rose at the wholesale level.
- Mixed trends are seen for refiner sales of other finished products in October. Sales of kerosene-type jet fuel fell at both the retail and wholesale levels, while No. 1 distillate sales show the opposite trend. Propane sales fell at retail, but rose at wholesale, while aviation gasoline and kerosene sales declined at wholesale.

**Table HL1. U.S. refiner prices and volumes of petroleum products**

prices: dollars per gallon excluding taxes, volumes: million gallons per day

Products	Sales to end users						Sales for resale					
	October 2019		September 2019		October 2018		October 2019		September 2019		October 2018	
	Price	Volume	Price	Volume	Price	Volume	Price	Volume	Price	Volume	Price	Volume
<b>Motor gasoline</b>	2.289	24.0	2.242	24.1	2.441	24.7	1.871	305.3	1.854	302.1	2.090	306.2
<b>Conventional</b>	2.071	15.3	2.080	15.1	2.297	15.2	1.766	207.9	1.773	203.2	2.035	208.3
Regular	2.020	13.6	2.026	13.3	2.247	13.5	1.724	185.9	1.729	181.0	1.999	187.1
Midgrade	2.315	0.7	2.310	0.7	2.538	0.7	1.954	1.2	1.956	1.2	2.213	1.3
Premium	2.586	1.0	2.586	1.1	2.806	1.0	2.129	20.8	2.135	20.9	2.363	19.8
<b>Reformulated</b>	2.671	8.7	2.516	8.9	2.672	9.5	2.095	97.4	2.020	98.9	2.206	97.9
Regular	2.534	6.4	2.393	6.5	2.568	7.1	2.026	81.1	1.954	82.3	2.152	81.9
Midgrade	2.955	0.8	2.748	0.9	2.873	0.9	2.344	0.5	2.223	0.6	2.361	0.6
Premium	3.128	1.4	2.914	1.5	3.051	1.5	2.445	15.7	2.352	16.1	2.491	15.4
<b>Aviation gasoline</b>	W	W	W	W	W	W	2.857	0.5	2.829	0.5	3.099	0.5
<b>Kerosene-type jet fuel</b>	1.968	31.0	1.937	32.1	2.349	32.1	1.931	40.4	1.898	44.3	2.296	37.9
<b>Propane (consumer grade)</b>	0.516	3.1	0.473	3.4	0.988	4.2	0.544	29.5	0.477	27.7	0.948	28.5
<b>Kerosene</b>	W	W	3.203	0.0	W	W	2.003	1.1	1.984	1.2	2.437	1.0
<b>No. 1 distillate</b>	2.527	0.1	2.348	0.1	2.850	0.1	2.369	1.3	2.264	0.4	2.665	1.2
<b>No. 2 distillate</b>	2.134	11.4	2.102	12.3	2.501	13.4	1.982	174.8	1.954	164.5	2.373	170.9
<b>No. 2 fuel oil</b>	2.174	0.2	2.200	0.1	2.696	0.1	1.926	6.2	1.901	4.1	2.281	9.7
<b>No. 2 diesel fuel</b>	2.134	11.3	2.101	12.2	2.500	13.3	1.984	168.6	1.955	160.3	2.379	161.2
Ultra low sulfur	2.141	10.8	2.106	11.9	2.502	13.1	1.984	167.2	1.955	158.8	2.380	159.5
Low sulfur	W	W	W	W	W	W	-	-	-	-	W	W
High sulfur	W	W	W	W	W	W	1.988	1.4	1.963	1.5	W	W
<b>No. 4 fuel[a]</b>	-	-	-	-	-	-	W	W	W	W	W	W
<b>Residential fuel oil</b>	1.543	2.8	1.560	3.2	1.875	3.8	1.263	7.7	1.337	7.5	1.700	7.3
Sulfur content not > 1%	W	W	W	W	W	W	1.535	1.7	W	W	1.620	0.2
Sulfur content > 1%	1.393	W	1.511	W	1.816	W	1.188	6.1	1.325	W	1.703	7.0

NA = Not available.

- = No data reported.

W = Withheld to avoid disclosure of individual company data.

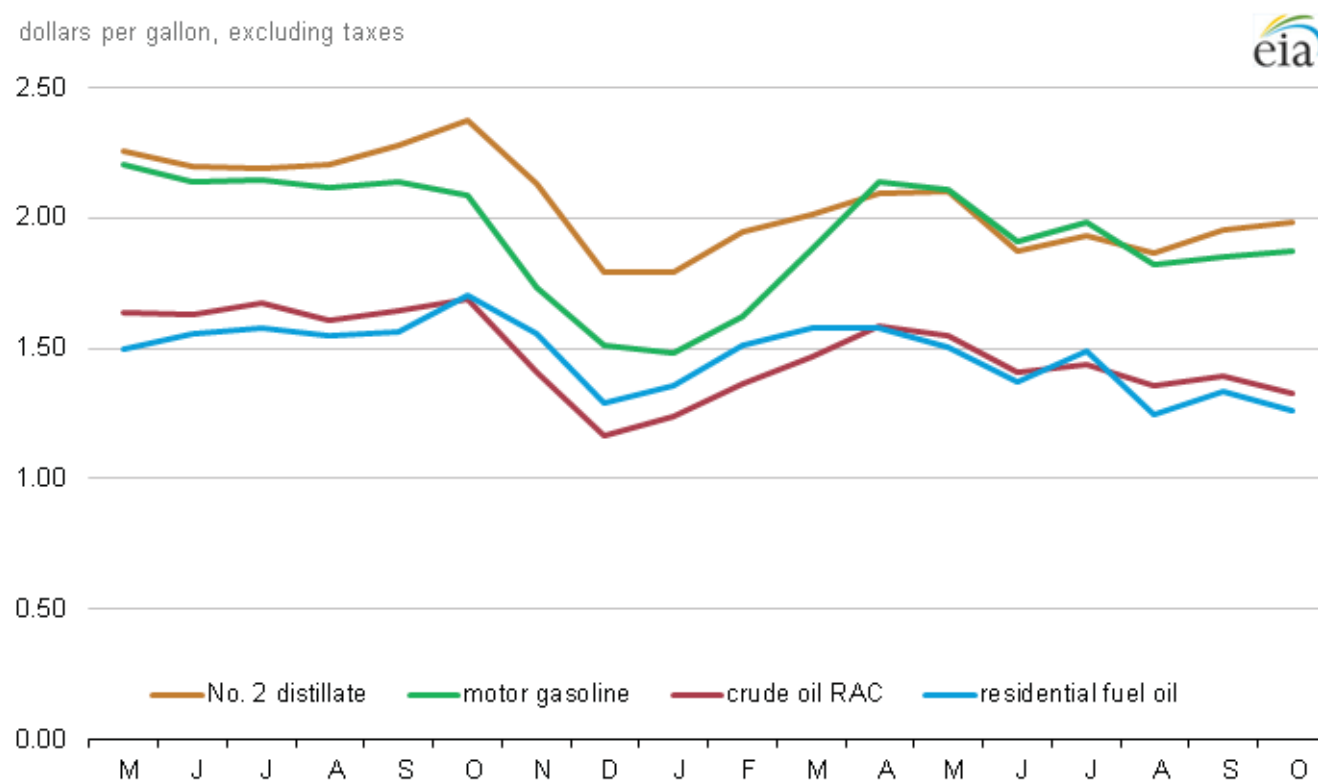
[a] Includes No. 4 fuel oil and No. 4 diesel fuel.

Notes: - Beginning January 2007, oxygenated gasoline is included in conventional gasoline. - In January 2007, ultra low-sulfur diesel fuel was added. - All on-highway diesel must be ultra low-sulfur as of December 1, 2010 - Values shown for the current month are preliminary. Values shown for previous months are revised. Data through 2018 are final. Total volumes may not equal the sum of the components because of rounding.

Source: U.S. Energy Information Administration Form EIA-782A, Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report.



Figure HL1. Crude oil and petroleum product wholesale prices



May 2018 - October 2019

Sources: U.S. Energy Information Administration, Crude oil refiner acquisition cost: Form EIA-14, *Refiners' Monthly Cost Report*; petroleum product prices: Form EIA-782A, *Refiners/Gas Plant Operators' Monthly Petroleum Product Sales Report*.

Note: RAC stands for refiner acquisition cost.

# Summary Statistics

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**Table 1. Crude oil prices**

dollars per barrel

Year month	Domestic first purchase prices	Average F.O.B. [a] cost of crude oil imports [b]	Average landed cost of crude oil imports [b]	Refiner acquisition cost of crude oil		
				Domestic	Imported	Composite
1997 average	17.23	16.94	18.11	19.61	18.53	19.04
1998 average	10.87	10.76	11.84	13.18	12.04	12.52
1999 average	15.56	16.47	17.23	17.90	17.26	17.51
2000 average	26.72	26.27	27.53	29.11	27.70	28.26
2001 average	21.84	20.46	21.82	24.33	22.00	22.95
2002 average	22.51	22.63	23.91	24.65	23.71	24.10
2003 average	27.56	25.86	27.69	29.82	27.71	28.53
2004 average	36.77	33.75	36.07	38.97	35.90	36.98
2005 average	50.28	47.60	49.29	52.94	48.86	50.24
2006 average	59.69	57.03	59.11	62.62	59.02	60.24
2007 average	66.52	66.36	67.97	69.65	67.04	67.94
2008 average	94.04	90.32	93.33	98.47	92.77	94.74
2009 average	56.35	57.78	60.23	59.49	59.17	59.29
2010 average	74.71	74.19	76.50	78.01	75.86	76.69
2011 average	95.73	101.66	102.92	100.71	102.63	101.87
2012 average	94.52	99.78	101.00	100.72	101.09	100.93
2013 average	95.99	96.56	96.99	102.91	98.11	100.49
2014 average	87.39	85.65	88.16	94.05	89.56	92.02
2015 average	44.39	41.91	45.38	49.94	46.38	48.39
2016 average	38.29	36.37	38.56	42.41	38.75	40.66
2017 average	48.05	45.58	48.50	52.05	49.12	50.68
<b>2018</b>						
January	62.25	55.73	58.25	66.08	59.71	63.25
February	61.18	53.42	56.76	64.68	58.03	61.74
March	60.68	53.35	56.32	64.03	56.82	60.81
April	63.50	58.56	60.62	67.14	61.24	64.41
May	66.16	62.95	65.15	71.29	65.89	68.91
June	62.80	63.09	65.48	69.63	66.82	68.35
July	67.00	62.35	65.44	73.33	66.62	70.29
August	62.64	61.41	64.16	69.45	65.48	67.68
September	63.54	61.56	63.69	71.09	66.70	69.29
October	65.18	60.23	61.78	73.07	67.79	70.99
November	55.65	44.66	47.16	62.47	54.40	59.01
December	47.63	36.91	39.14	53.25	42.80	48.83
2018 average	61.40	56.31	58.89	67.05	60.95	64.38
<b>2019</b>						
January	47.85	48.72	49.25	53.86	49.57	52.11
February	52.51	54.14	56.12	57.89	56.50	57.35
March	57.47	57.54	59.48	61.97	61.14	61.64
April	63.01	61.31	63.62	67.24	65.42	66.52
May	59.68	60.70	63.69	65.17	65.03	65.11
June	54.22	54.50	57.40	59.81	58.16	59.16
July	56.47	54.51	56.97	61.47	59.18	60.53
August	53.63	R51.98	R54.91	57.88	55.41	56.90
September	55.07	R52.47	R54.93	R59.41	R57.31	58.60
October	53.14	49.77	52.86	R56.69	R54.31	R55.80
November [c]	NA	NA	NA	E58.41	E55.13	E56.99

NA = Not available.

E = Estimated data.

R = Revised data.

[a] Free on Board. See Glossary.

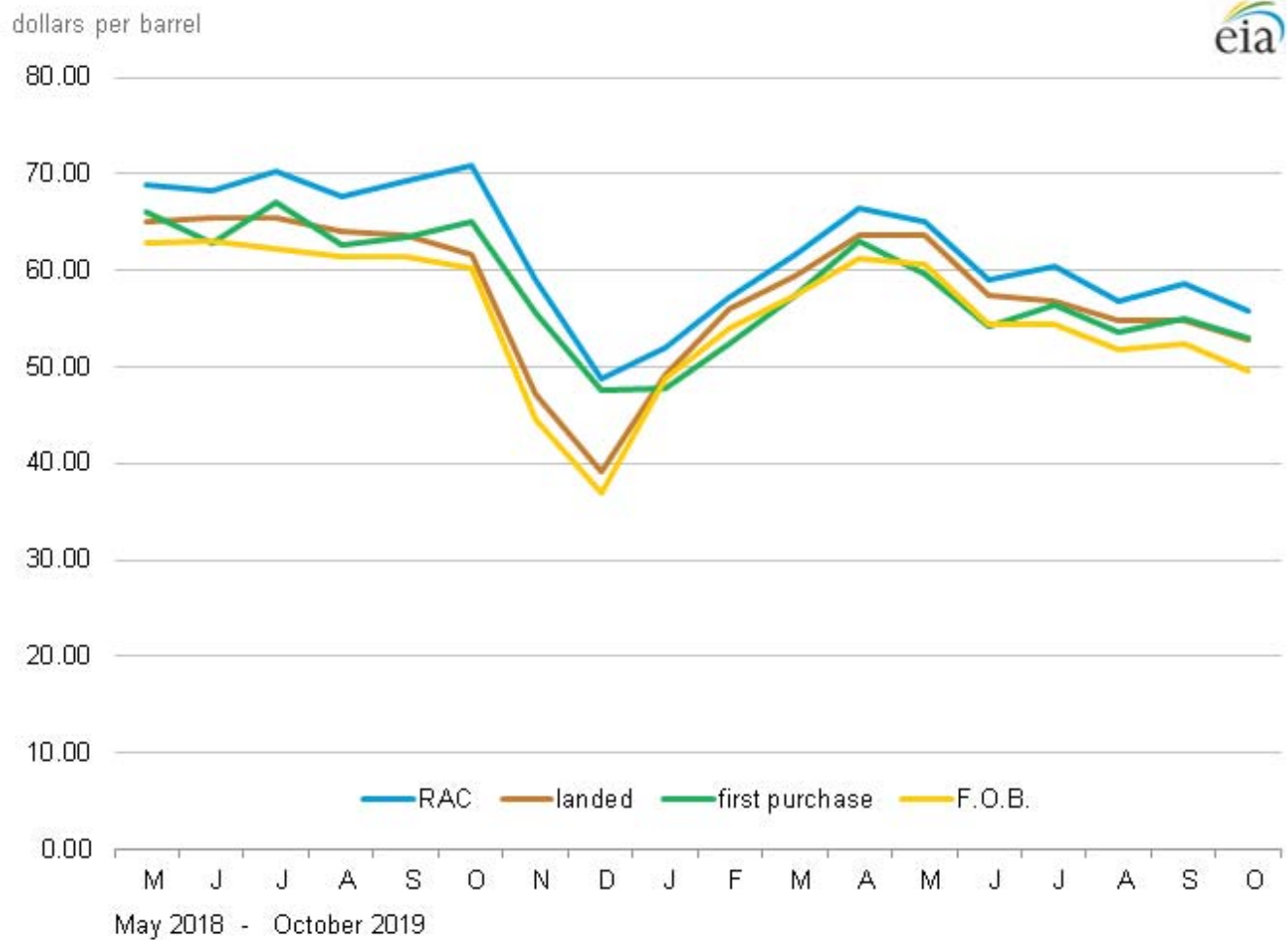
[b] Values reflect the month of acquisition, which can be the month of loading, the month of landing, or sometime between those events. Prices for crude oil can be determined at a time other than the acquisition date. See the Explanatory Notes section.

[c] Data are initial estimates calculated using regression models based on past and present values, spot prices, and other internally computed data. For an explanation of estimation methodology, see the Preface.

Notes: - In November 2018, a new crude stream was added and a selected crude stream was deleted for North Dakota. In January 2004, new crude streams were added and selected crude streams were discontinued for California, Gulf Coast, Oklahoma, and Texas. - Values for Domestic First Purchase Price and Refiner Acquisition Cost for the current two months, and for average F.O.B. and average landed costs, for the current three months are preliminary. Values shown for previous months may be revised. Data through 2018 are final.

Sources: Domestic first purchase prices -- See source from Table 18. Crude oil imports costs -- See Sources from Table 21. Refiner acquisition costs -- U.S. Energy Information Administration, Form EIA-14, *Refiners' Monthly Cost Report*.

Figure 1. Crude oil prices



Sources: U.S. Energy Information Administration, Form EIA-182, *Domestic Crude Oil First Purchase Report*; Form EIA-856, *Monthly Foreign Crude Oil Acquisition Report*; and Form EIA-14, *Refiners' Monthly Cost Report*.  
 Note: RAC stands for refiners' acquisition cost.

**Table 1A. Refiner acquisition cost of crude oil by PAD Districts**

dollars per barrel

Year month	United States			PAD District 1			PAD District 2		
	Domestic	Imported	Composite	Domestic	Imported	Composite	Domestic	Imported	Composite
2004	38.97	35.90	36.98	40.75	38.29	38.34	40.80	35.63	38.38
2005	52.94	48.86	50.24	56.89	53.29	53.35	54.57	46.11	50.75
2006	62.62	59.02	60.24	66.92	63.53	63.60	63.66	55.19	59.70
2007	69.65	67.04	67.94	70.62	72.48	72.44	71.10	62.17	66.90
2008	98.47	92.77	94.74	100.30	96.90	96.97	100.98	88.45	94.93
2009	59.49	59.17	59.29	59.64	61.68	61.63	60.00	57.00	58.64
2010	78.01	75.86	76.69	75.90	80.03	79.91	78.85	72.24	75.92
2011	100.71	102.63	101.87	98.88	111.53	111.01	96.81	89.15	93.18
2012	100.72	101.09	100.93	104.45	112.27	111.50	95.04	83.90	89.44
2013	102.91	98.11	100.49	106.98	106.74	106.80	100.63	85.43	93.26
2014	94.05	89.56	92.02	96.95	96.51	96.70	93.08	81.66	87.51
2015	49.94	46.38	48.39	52.60	50.40	51.37	49.33	42.70	46.13
2016	42.41	38.75	40.66	44.58	42.54	43.00	43.76	36.19	39.95
2017	52.05	49.12	50.68	56.98	53.46	53.87	52.03	45.21	48.63
2018									
January	66.08	59.71	63.25	66.24	65.97	66.01	65.21	51.67	58.61
February	64.68	58.03	61.74	66.09	64.96	65.16	63.69	48.42	56.43
March	64.03	56.82	60.81	66.71	65.31	65.63	64.24	47.11	56.27
April	67.14	61.24	64.41	69.95	70.27	70.21	67.21	50.98	59.12
May	71.29	65.89	68.91	71.37	72.17	72.00	71.04	58.27	64.64
June	69.63	66.82	68.35	71.35	72.91	72.62	68.42	59.23	64.08
July	73.33	66.62	70.29	72.72	71.71	71.90	73.40	60.98	67.41
August	69.45	65.48	67.68	72.07	72.03	72.04	69.20	58.09	64.13
September	71.09	66.70	69.29	73.74	75.40	74.83	70.14	54.36	63.22
October	73.07	67.79	70.99	75.33	75.36	75.35	71.74	52.76	63.58
November	62.47	54.40	59.01	69.43	69.13	69.18	57.01	38.34	47.16
December	53.25	42.80	48.83	60.15	61.46	61.18	47.52	19.78	33.41
2018	67.05	60.95	64.38	69.71	69.63	69.64	65.69	49.35	57.85
2019									
January	53.86	49.57	52.11	59.24	59.65	59.58	50.20	38.63	44.40
February	57.89	56.50	57.35	62.66	65.08	64.48	54.36	49.88	52.16
March	61.97	61.14	61.64	66.20	69.27	68.49	60.10	54.19	56.89
April	67.24	65.42	66.52	70.56	69.84	70.01	65.83	59.64	62.84
May	65.17	65.03	65.11	67.35	70.86	70.05	61.64	59.17	60.38
June	59.81	58.16	59.16	63.72	65.04	64.77	55.27	50.30	52.75
July	61.47	59.18	60.53	65.28	65.31	65.31	59.51	51.52	55.64
August	57.88	55.41	56.90	61.99	61.37	61.54	55.69	50.09	52.79
September	R59.41	R57.31	58.60	R63.46	R63.28	R63.33	58.61	51.90	55.55
October	R56.69	R54.31	R55.80	59.75	62.13	61.31	54.61	48.42	51.62

See footnotes at end of table.

**Table 1A. Refiner acquisition cost of crude oil by PAD Districts (cont.)**

dollars per barrel

Year month	PAD District 3			PAD District 4			PAD District 5		
	Domestic	Imported	Composite	Domestic	Imported	Composite	Domestic	Imported	Composite
2004	39.28	34.79	35.87	39.98	35.93	37.81	36.81	38.20	37.30
2005	53.17	47.77	48.99	53.50	48.54	50.89	50.61	50.77	50.67
2006	63.17	58.34	59.54	60.80	56.17	58.45	60.90	61.44	61.15
2007	70.58	66.34	67.48	65.79	60.81	63.43	67.47	69.42	68.34
2008	100.39	91.86	94.11	91.49	88.56	90.12	94.53	96.30	95.35
2009	60.61	59.21	59.64	56.30	56.53	56.39	57.79	60.07	58.78
2010	78.73	75.67	76.65	73.56	70.77	72.37	76.56	78.23	77.34
2011	103.24	104.78	104.24	89.34	84.87	87.61	103.83	105.68	104.73
2012	104.32	105.18	104.83	86.83	80.80	84.63	103.03	106.43	104.69
2013	104.64	101.42	103.02	88.96	80.75	85.21	103.82	105.12	104.40
2014	94.67	90.84	93.06	84.63	78.73	81.93	94.45	96.13	95.22
2015	50.16	46.49	48.75	44.77	39.73	42.28	50.30	50.91	50.59
2016	41.97	38.22	40.42	41.48	34.49	38.11	42.10	42.21	42.16
2017	51.74	49.12	50.73	50.43	43.05	47.19	53.44	52.77	53.08
2018									
January	65.99	61.79	64.45	63.61	47.53	56.04	68.59	66.20	67.46
February	64.83	60.66	63.32	60.99	43.15	53.36	66.70	64.52	65.59
March	63.43	58.65	61.64	61.80	42.31	53.23	66.74	64.38	65.42
April	66.59	63.43	65.39	64.52	45.53	56.14	69.83	67.99	68.89
May	70.66	67.10	69.43	68.37	54.97	63.01	75.61	73.53	74.52
June	69.28	67.69	68.68	65.51	56.58	61.50	74.61	73.54	74.02
July	73.45	67.85	71.35	68.41	57.79	63.60	74.24	70.45	72.15
August	68.89	65.76	67.77	66.53	56.09	61.96	73.81	72.11	72.81
September	70.43	70.22	70.36	69.26	47.21	59.67	76.05	74.91	75.47
October	72.85	72.38	72.71	67.91	52.13	59.81	77.82	76.85	77.31
November	63.26	60.90	62.54	52.37	34.08	42.36	69.68	66.88	68.31
December	54.32	51.89	53.60	44.09	22.24	33.15	58.83	56.42	57.58
2018	66.94	64.10	65.95	62.87	45.87	55.01	70.82	68.91	69.81
2019									
January	54.23	52.79	53.85	48.67	37.65	43.36	59.23	58.48	58.84
February	58.05	58.13	58.07	53.64	49.23	51.74	64.13	62.21	63.17
March	61.62	62.29	61.79	56.86	53.58	55.48	67.19	67.86	67.52
April	67.32	66.85	67.19	59.92	58.45	59.24	71.38	71.52	71.45
May	65.72	65.84	65.76	59.64	58.17	58.94	69.37	70.73	70.07
June	60.74	61.60	60.95	52.89	49.11	51.00	63.95	63.82	63.88
July	61.75	61.43	61.66	55.97	50.68	53.44	64.82	65.00	64.92
August	58.10	55.29	57.40	53.46	48.89	51.36	61.30	62.22	61.83
September	59.33	R58.20	R59.04	54.02	50.15	R52.25	R62.45	63.07	R62.78
October	56.84	54.23	56.24	50.42	45.65	48.39	60.65	60.86	60.77

R = Revised data.

Notes: United States is defined as the 50 states, the District of Columbia, Puerto Rico, the Virgin Islands, and all American territories and possessions. Values reflect the PAD District in which the crude oil is intended to be refined. - Values shown for the current month are preliminary. Values shown for the previous month may be revised. Data through 2018 are final.

Sources: U.S. Energy Information Administration Form EIA-14, *Refiners' Monthly Cost Report*, January 2004 to present.

**Table 2. U.S. refiner prices of petroleum products to end users**

dollars per gallon, excluding taxes

Year month	Motor gasoline	Aviation gasoline	Kerosene type jet fuel	Propane (consumer grade)	Kerosene	No. 2 distillate					Residual fuel oil
						No. 1 distillate	No. 2 diesel fuel	No. 2 fuel oil	Average	No. 4 fuel[a]	
1994	0.738	0.957	0.534	0.530	0.660	0.640	0.554	0.572	0.556	0.501	0.352
1995	0.765	1.005	0.540	0.492	0.589	0.620	0.560	0.562	0.560	0.505	0.392
1996	0.847	1.116	0.651	0.605	0.740	0.726	0.681	0.673	0.680	0.603	0.455
1997	0.839	1.128	0.613	0.552	0.745	0.689	0.642	0.636	0.642	0.565	0.423
1998	0.673	0.975	0.452	0.405	0.501	0.551	0.494	0.482	0.492	0.428	0.305
1999	0.781	1.059	0.543	0.458	0.605	0.621	0.584	0.558	0.580	0.474	0.374
2000	1.106	1.306	0.899	0.603	1.123	0.988	0.935	0.927	0.934	0.769	0.602
2001	1.032	1.323	0.775	0.506	1.045	0.902	0.842	0.829	0.840	0.679	0.531
2002	0.947	1.288	0.721	0.419	0.990	0.828	0.762	0.737	0.759	0.657	0.569
2003	1.156	1.493	0.872	0.577	1.224	1.017	0.944	0.933	0.942	0.856	0.698
2004	1.435	1.819	1.207	0.839	1.160	1.262	1.243	1.173	1.235	1.017	0.739
2005	1.829	2.231	1.735	1.089	1.957	1.832	1.786	1.705	1.777	W	1.048
2006	2.128	2.682	1.998	1.358	2.244	2.137	2.096	1.982	2.091	W	1.218
2007	2.345	2.849	2.165	1.489	2.263	2.286	2.267	2.241	2.266	W	1.374
2008	2.775	3.273	3.052	1.892	3.283	2.983	3.150	2.986	3.143	W	1.964
2009	1.888	2.442	1.704	1.220	2.675	2.141	1.834	1.962	1.840	W	1.341
2010	2.301	3.028	2.201	1.481	3.063	2.705	2.314	2.462	2.318	W	1.713
2011	3.050	3.803	3.054	1.709	3.616	3.467	3.117	3.193	3.119	W	2.401
2012	3.154	3.971	3.104	1.139	3.843	3.580	3.202	3.358	3.206	W	2.592
2013	3.049	3.932	2.979	1.028	3.842	3.483	3.122	3.335	3.126	W	2.482
2014	2.855	3.986	2.772	1.097	W	3.117	2.923	3.329	2.924	W	2.325
2015	2.003	W	1.629	0.481	W	1.822	1.819	2.016	1.821	W	1.285
2016	1.730	W	1.319	0.498	W	1.702	1.511	1.716	1.512	W	0.945
2017	1.976	W	1.629	0.772	W	2.230	1.811	2.010	1.813	W	1.287
2018											
January	2.108	W	2.012	0.971	W	2.506	2.144	2.206	2.145	-	1.507
February	2.127	W	1.970	0.948	W	2.510	2.107	2.365	2.110	-	1.490
March	2.160	W	1.924	0.842	W	2.566	2.076	2.484	2.078	-	1.452
April	2.315	W	2.080	0.839	W	W	2.201	2.486	2.202	-	1.504
May	2.494	W	2.221	0.916	3.219	W	2.368	2.478	2.368	-	1.667
June	2.469	W	2.196	0.883	3.292	W	2.340	2.413	2.341	-	1.731
July	2.442	W	2.176	0.956	W	W	2.316	2.436	2.316	-	1.767
August	2.421	W	2.183	0.989	3.272	W	2.327	2.499	2.327	-	1.764
September	2.428	W	2.257	1.062	3.189	W	2.388	2.612	2.388	-	1.761
October	2.441	W	2.349	0.988	W	2.850	2.500	2.696	2.501	-	1.875
November	2.205	W	2.162	0.876	W	2.719	2.282	2.431	2.284	-	1.827
December	1.973	W	1.852	0.794	W	2.397	1.981	2.222	1.983	-	1.608
2018	2.303	W	2.119	0.925	3.113	2.600	2.256	2.380	2.257	-	1.662
2019											
January	1.854	W	1.827	0.756	W	2.323	1.960	2.195	1.962	-	1.425
February	1.949	W	1.956	0.784	W	2.401	2.080	2.367	2.082	-	1.568
March	2.137	W	2.005	0.761	W	2.503	2.158	2.376	2.159	-	1.639
April	2.487	W	2.063	0.686	W	2.563	2.259	2.461	2.260	-	1.685
May	2.520	W	2.141	0.599	W	NA	2.272	2.389	2.272	-	1.635
June	2.366	W	1.907	0.464	3.312	2.209	2.078	2.156	2.079	-	1.601
July	2.375	W	1.973	0.487	3.260	2.352	2.100	2.206	2.101	-	1.625
August	2.252	W	1.901	0.461	W	2.282	2.037	2.155	2.038	-	1.466
September	R2.242	W	1.937	0.473	3.203	2.348	2.101	2.200	2.102	-	1.560
October	2.289	W	1.968	0.516	W	2.527	2.134	2.174	2.134	-	1.543

NA = Not available.

- = No data reported.

W = Withheld to avoid disclosure of individual company data.

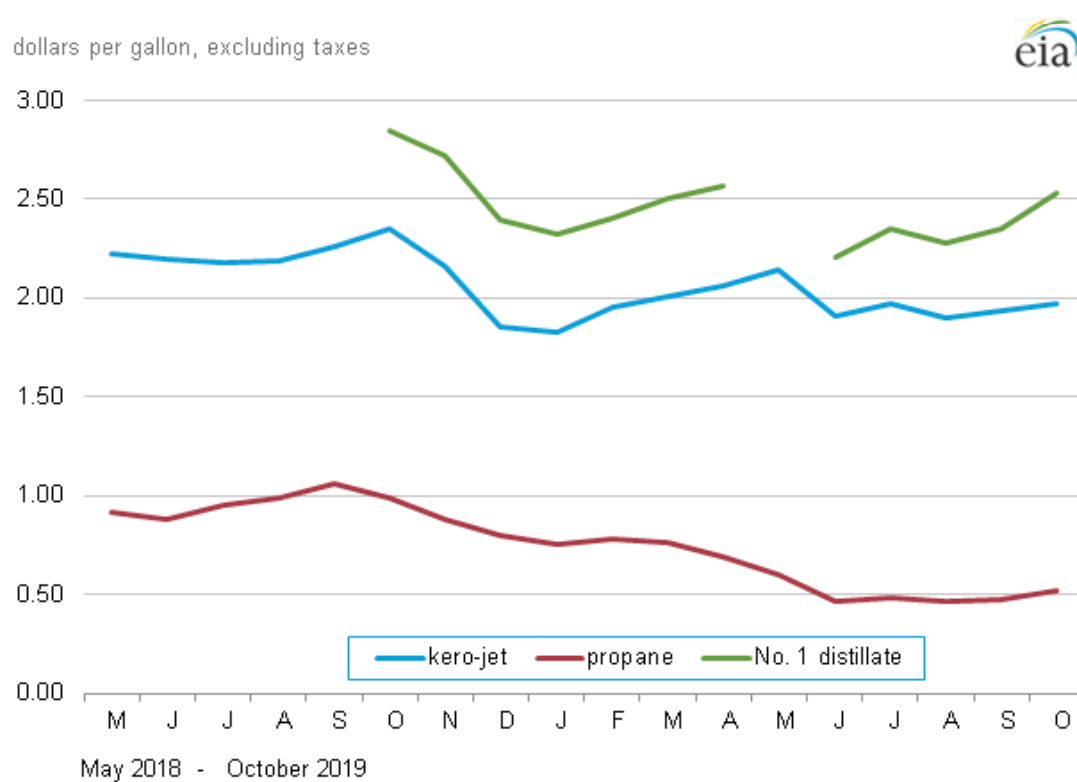
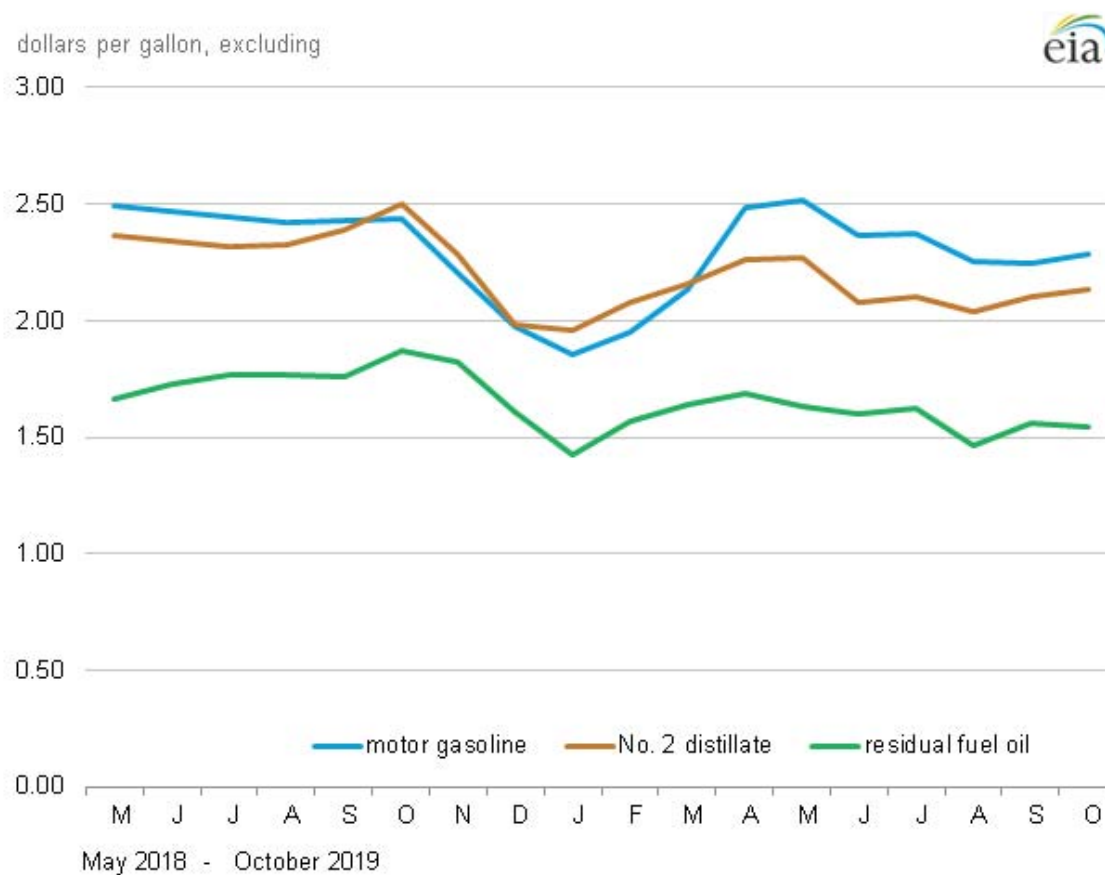
R = Revised data.

[a] Includes No. 4 fuel oil and No. 4 diesel fuel.

Notes: Motor gasoline averages and totals before October 1993 include leaded gasoline. Values shown for the current month are preliminary. Values shown for previous months may be revised. Data through 2018 are final.

Sources: U.S. Energy Information Administration Form EIA-782A, *Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report*.

Figure 2. U.S. refiner retail petroleum product prices



Sources: U.S. Energy Information Administration, Form EIA-782A, *Refiners'/Gas Plant Operators' Monthly Petroleum Sales Report*.



**Table 3. U.S. refiner volumes of petroleum products to end users**

million gallons per day

Year month	Motor gasoline	Aviation gasoline	Kerosene type jet fuel	Propane (consumer grade)	Kerosene	No. 2 distillate			Average	No. 4 fuel[a]	Residual fuel oil
						No. 1 distillate	No. 2 diesel fuel	No. 2 fuel oil			
1994	55.0	0.2	45.2	2.2	0.4	0.4	21.3	3.4	24.6	0.8	13.5
1995	55.9	0.2	45.7	3.2	0.6	0.3	21.6	3.3	24.9	0.5	11.6
1996	57.5	0.2	48.7	3.1	0.4	0.3	21.9	3.1	25.0	0.4	12.9
1997	61.1	0.2	49.7	3.2	0.3	0.4	22.0	3.0	25.0	0.3	13.4
1998	63.3	0.2	48.9	3.1	0.4	0.4	21.1	3.2	24.3	0.3	14.4
1999	62.0	0.1	47.0	3.6	0.2	0.3	21.1	3.0	24.1	0.3	13.9
2000	60.9	0.2	49.3	2.9	0.2	0.3	22.6	2.8	25.4	0.3	13.1
2001	62.0	0.1	49.7	3.6	0.2	0.3	22.9	3.0	26.0	0.4	14.8
2002	63.6	0.1	49.1	2.6	0.1	0.3	19.6	3.0	22.6	0.4	10.4
2003	63.8	0.1	44.0	2.5	0.1	0.3	16.7	2.7	19.5	0.3	10.7
2004	58.4	0.1	46.4	2.7	0.5	0.2	16.9	2.4	19.3	0.3	10.2
2005	59.0	0.1	45.2	3.2	0.1	0.3	17.0	2.1	19.1	W	10.4
2006	60.0	0.1	42.1	2.7	0.1	0.2	24.2	1.2	25.4	W	10.4
2007	57.7	0.1	40.1	3.3	0.1	0.2	23.6	0.8	24.3	W	10.9
2008	55.1	0.1	39.9	2.7	NA	0.1	19.9	0.9	20.8	W	8.4
2009	49.8	0.2	38.0	3.7	NA	0.1	16.9	0.9	17.8	W	8.5
2010	44.7	0.1	34.8	3.9	0.0	0.1	15.3	0.4	15.8	W	7.6
2011	39.0	0.1	33.3	4.5	0.0	0.1	13.4	0.4	13.8	W	6.4
2012	29.7	0.1	32.5	5.6	0.0	0.1	12.2	0.3	12.5	W	5.5
2013	24.7	0.0	31.4	5.3	0.0	0.1	11.5	0.2	11.7	W	5.2
2014	21.6	0.0	31.3	4.9	W	0.1	11.9	0.1	11.9	W	4.6
2015	25.5	W	33.4	5.6	W	0.1	12.6	0.1	12.7	W	4.0
2016	25.6	W	31.2	6.1	W	0.1	12.6	0.1	12.7	W	4.2
<b>2018</b>											
January	22.5	W	29.1	3.5	W	0.1	11.7	0.3	12.0	-	3.7
February	23.4	W	27.8	3.2	W	0.1	11.8	0.1	12.0	-	3.6
March	24.1	W	31.7	3.4	W	0.1	12.7	0.1	12.8	-	3.6
April	23.8	W	29.9	4.3	W	W	13.0	0.0	13.0	-	3.5
May	24.3	W	32.0	3.0	0.0	W	12.2	0.1	12.3	-	3.2
June	25.1	W	31.3	3.3	0.0	W	11.5	0.1	11.6	-	3.0
July	24.6	W	33.2	3.1	W	W	12.4	0.1	12.4	-	3.5
August	25.4	W	33.3	4.4	0.0	W	13.4	0.0	13.4	-	3.2
September	24.4	W	32.2	3.7	0.0	W	13.3	0.0	13.3	-	3.6
October	24.7	W	32.1	4.2	W	0.1	13.3	0.1	13.4	-	3.8
November	24.6	W	30.9	3.7	W	0.1	13.1	0.2	13.3	-	3.4
December	24.2	W	32.2	2.9	W	0.1	12.5	0.1	12.6	-	3.5
2018	24.3	W	31.3	3.6	0.0	0.1	12.6	0.1	12.7	-	3.5
<b>2019</b>											
January	23.2	W	29.3	3.5	W	0.1	12.5	0.1	12.6	-	2.8
February	23.6	W	28.9	3.2	W	0.1	12.4	0.1	12.5	-	2.3
March	24.3	W	30.5	2.3	W	0.1	11.8	0.1	11.8	-	2.2
April	24.1	W	32.3	2.3	W	0.1	11.7	0.1	11.8	-	2.4
May	24.7	W	31.7	2.8	W	0.1	12.1	0.1	12.1	-	2.0
June	24.9	W	32.9	2.9	0.0	0.0	11.9	0.1	12.0	-	3.3
July	24.8	W	33.9	2.1	0.0	0.0	12.5	0.0	12.6	-	2.8
August	25.9	W	31.9	2.5	W	0.0	12.8	0.1	12.8	-	2.6
September	24.1	W	32.1	3.4	0.0	0.1	12.2	0.1	12.3	-	3.2
October	24.0	W	31.0	3.1	W	0.1	11.3	0.2	11.4	-	2.8

NA = Not available.

- = No data reported.

W = Withheld to avoid disclosure of individual company data.

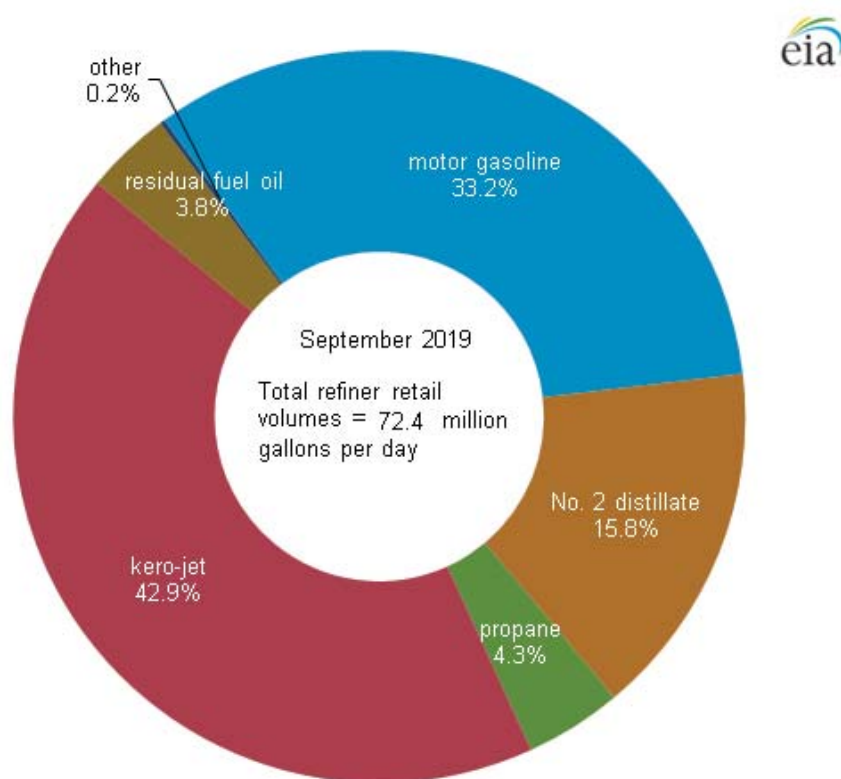
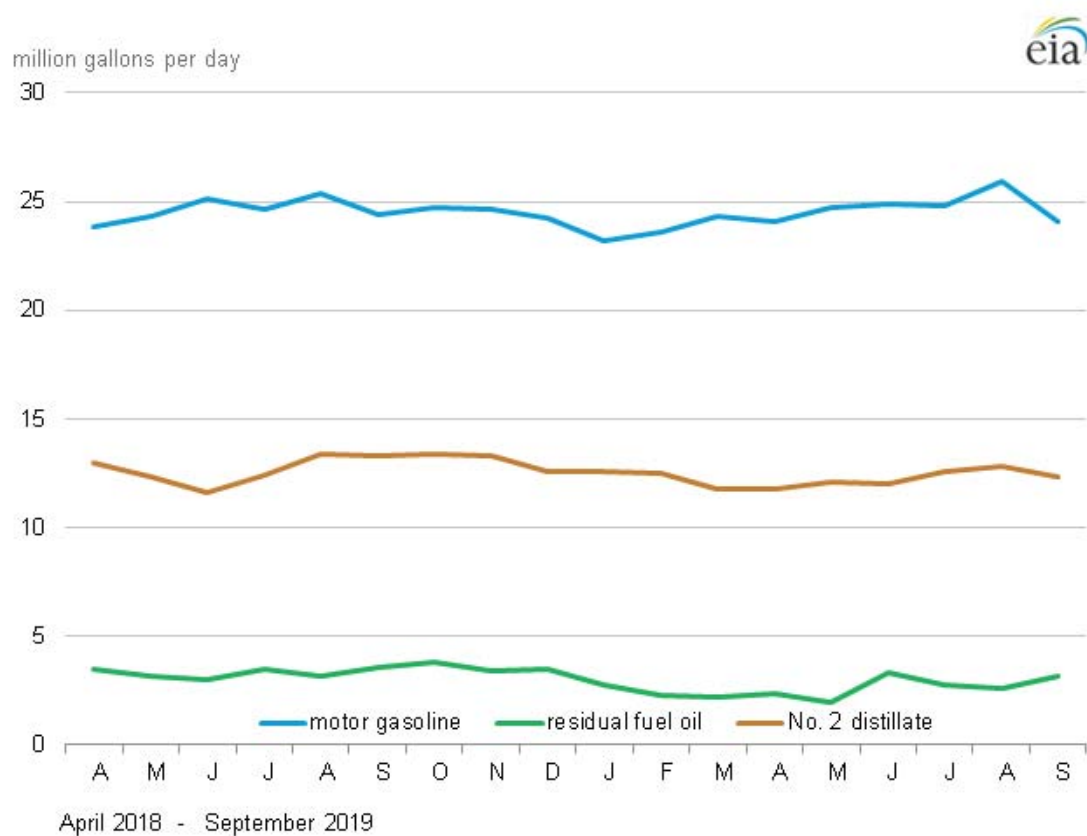
R = Revised data.

[a] Includes No. 4 fuel oil and No. 4 diesel fuel.

Notes: Motor gasoline averages and totals before October 1993 include leaded gasoline. Values shown for the current month are preliminary. Values shown for previous months are revised. Data through 2018 are final. Totals may not equal the sum of the components because of rounding.

Sources: U.S. Energy Information Administration Form EIA-782A, Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report.

Figure 3. U.S. refiner retail petroleum product volumes



Source: U.S. Energy Information Administration, Form EIA-782A, *Refiners/Gas Plant Operators' Monthly Petroleum Product Sales Report*.

**Table 4. U.S. refiner prices of petroleum products for resale**

dollars per gallon, excluding taxes

Year month	Motor gasoline	Aviation gasoline	Kerosene type jet fuel	Propane (consumer grade)	Kerosene	No. 2 distillate					Residual fuel oil
						No. 1 distillate	No. 2 diesel fuel	No. 2 fuel oil	Average	No. 4 fuel[a]	
1994	0.599	0.933	0.534	0.324	0.618	0.615	0.529	0.506	0.522	0.462	0.317
1995	0.626	0.975	0.539	0.344	0.580	0.625	0.538	0.511	0.530	0.463	0.363
1996	0.713	1.055	0.646	0.461	0.714	0.751	0.659	0.639	0.653	0.603	0.420
1997	0.70	1.065	0.613	0.416	0.653	0.723	0.606	0.590	0.602	0.551	0.387
1998	0.526	0.912	0.450	0.288	0.465	0.513	0.444	0.422	0.439	0.383	0.280
1999	0.645	1.007	0.533	0.342	0.550	0.634	0.546	0.493	0.536	0.430	0.354
2000	0.963	1.330	0.880	0.595	0.969	1.019	0.898	0.886	0.896	0.778	0.566
2001	0.886	1.256	0.763	0.540	0.821	0.883	0.784	0.756	0.779	0.697	0.476
2002	0.828	1.146	0.716	0.431	0.752	0.805	0.724	0.694	0.718	0.663	0.530
2003	1.002	1.288	0.871	0.607	0.955	1.033	0.883	0.881	0.882	0.793	0.661
2004	1.288	1.627	1.208	0.751	1.271	1.289	1.187	1.125	1.178	1.033	0.681
2005	1.670	2.076	1.723	0.933	1.757	1.801	1.737	1.623	1.720	1.377	0.971
2006	1.969	2.490	1.961	1.031	2.007	2.044	2.012	1.834	1.991	1.395	1.136
2007	2.182	2.758	2.171	1.194	2.249	2.430	2.203	2.072	2.190	1.551	1.350
2008	2.586	3.342	3.020	1.437	2.851	2.712	2.994	2.745	2.970	2.157	1.866
2009	1.767	2.480	1.719	0.921	1.844	2.050	1.713	1.657	1.707	1.561	1.342
2010	2.165	2.874	2.185	1.212	2.299	2.573	2.214	2.147	2.208	W	1.697
2011	2.867	3.739	3.014	1.467	3.065	3.223	3.034	2.907	3.025	2.801	2.336
2012	2.929	3.919	3.080	1.033	3.163	3.349	3.109	3.031	3.103	W	2.457
2013	2.812	3.869	2.953	1.048	3.084	3.340	3.028	2.966	3.025	2.767	2.278
2014	2.618	3.687	2.763	1.165	2.882	3.213	2.812	2.741	2.809	2.333	2.044
2015	1.726	2.764	1.592	0.555	1.735	1.957	1.667	1.565	1.663	1.215	0.996
2016	1.454	2.404	1.295	0.523	1.383	1.589	1.378	1.239	1.370	0.956	0.745
2017	1.689	2.682	1.603	0.800	1.730	2.093	1.691	1.600	1.686	W	1.116
2018											
January	1.849	2.900	1.969	0.990	2.209	2.430	2.042	1.990	2.036	W	1.310
February	1.823	2.893	1.911	0.889	2.088	2.295	1.972	1.889	1.966	W	1.319
March	1.889	2.904	1.893	0.827	1.969	2.209	1.952	1.848	1.946	W	1.302
April	2.054	3.085	2.032	0.792	2.075	2.414	2.099	1.982	2.093	W	1.348
May	2.205	3.181	2.175	0.867	2.205	2.606	2.258	2.143	2.254	W	1.500
June	2.135	3.138	2.152	0.807	2.145	2.544	2.203	2.089	2.200	W	1.553
July	2.148	3.111	2.140	0.854	2.133	2.489	2.192	2.079	2.189	W	1.581
August	2.118	3.085	2.148	0.907	2.169	2.485	2.203	2.114	2.201	W	1.549
September	2.136	3.124	2.214	0.951	2.246	2.560	2.282	2.214	2.280	W	1.560
October	2.090	3.099	2.296	0.948	2.437	2.665	2.379	2.281	2.373	W	1.700
November	1.732	2.762	2.100	0.826	2.206	2.449	2.130	2.098	2.128	W	1.556
December	1.514	2.463	1.811	0.798	1.954	2.175	1.794	1.796	1.794	W	1.293
2018	1.980	3.006	2.073	0.877	2.160	2.380	2.130	2.002	2.123	W	1.463
2019											
January	1.483	2.394	1.822	0.775	2.021	2.127	1.789	1.813	1.791	W	1.357
February	1.624	2.527	1.925	0.772	2.111	2.246	1.950	1.907	1.946	W	1.508
March	1.881	2.874	1.960	0.754	2.087	2.389	2.020	1.958	2.015	W	1.581
April	2.138	3.100	2.022	0.660	2.073	2.343	2.100	1.993	2.095	W	1.577
May	2.110	3.021	2.061	0.595	2.057	2.458	2.106	1.989	2.102	W	1.505
June	1.909	2.841	1.879	0.493	1.914	2.203	1.874	1.824	1.873	W	1.372
July	1.984	2.988	1.938	0.478	1.969	2.260	1.938	1.847	1.935	W	1.489
August	1.820	2.854	1.864	0.458	1.861	2.201	1.865	1.795	1.862	W	1.247
September	1.854	2.829	1.898	0.477	1.984	2.264	1.955	1.901	1.954	W	1.337
October	1.871	2.857	1.931	0.544	2.003	2.369	1.984	1.926	1.982	W	1.263

W = Withheld to avoid disclosure of individual company data.

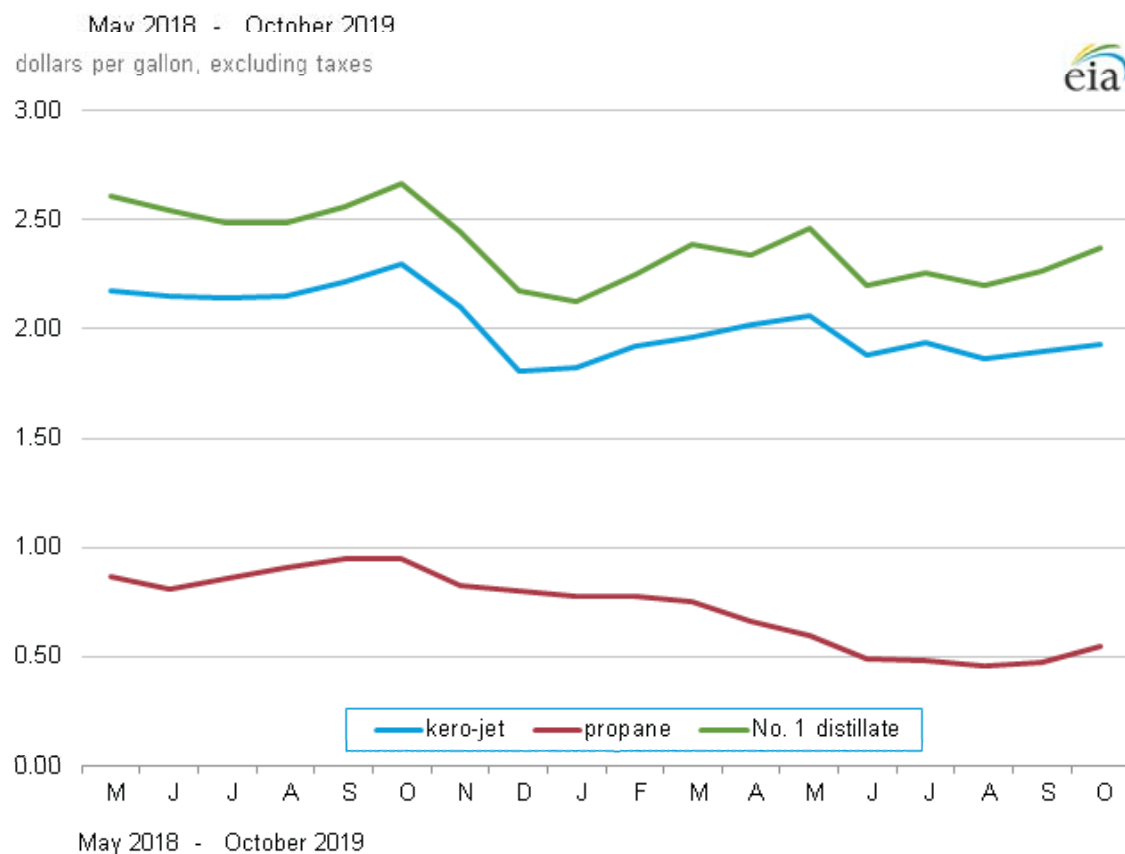
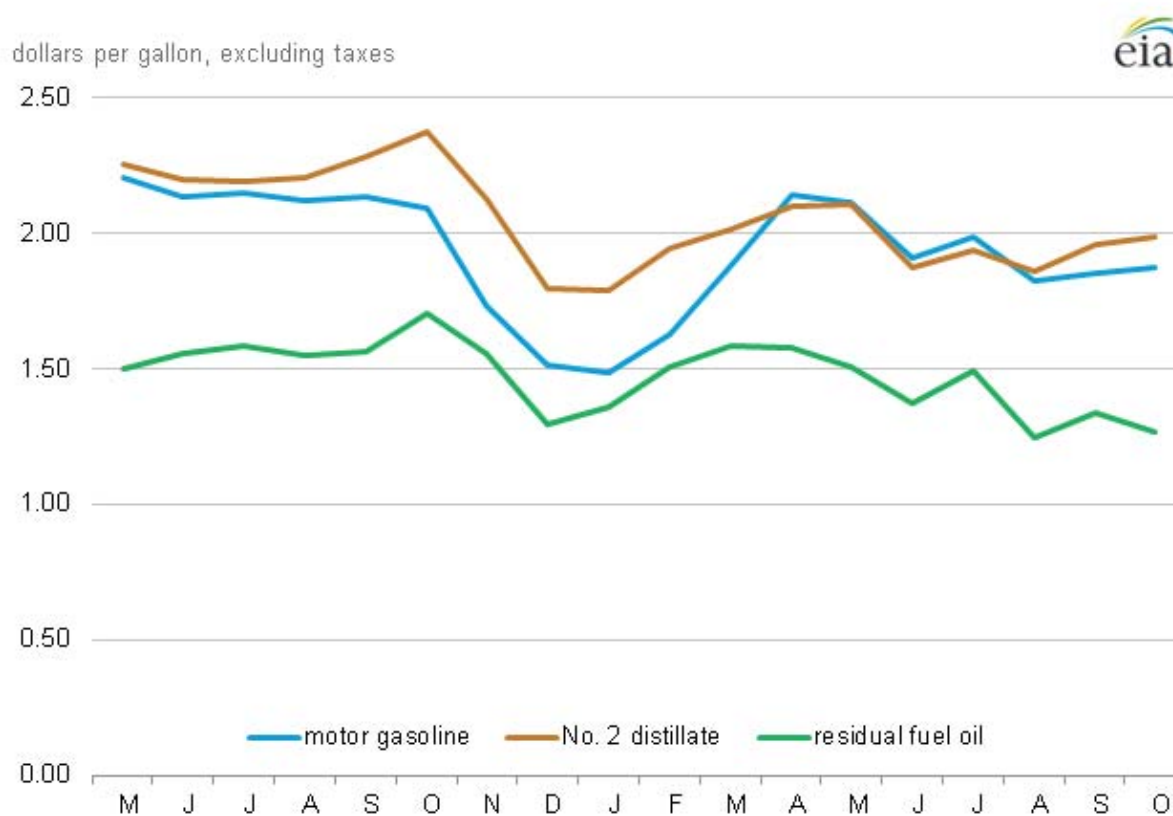
R = Revised data.

[a] Includes No. 4 fuel oil and No. 4 diesel fuel.

Notes: - Motor gasoline averages and totals before October 1993 include leaded gasoline. - Values shown for the current month are preliminary. Values shown for previous months may be revised. Data through 2018 are final.

Sources: U.S. Energy Information Administration Form EIA-782A, Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report.

Figure 4. U.S. refiner wholesale petroleum product prices



Source: U.S. Energy Information Administration, Form EIA-782A, *Refiners/Gas Plant Operators' Monthly Petroleum Product Sales Report*.

**Table 5. U.S. refiner volumes of petroleum sales for resale**

million gallons per day

Year month	Motor gasoline	Aviation gasoline	Kerosene type jet fuel	Propane (consumer grade)	Kerosene	No. 2 distillate					Residual fuel oil
						No. 1 distillate	No. 2 diesel fuel	No. 2 fuel oil	Average	No. 4 fuel[a]	
1994	276.7	0.7	9.1	28.4	2.5	1.9	72.4	32.9	105.3	0.4	12.8
1995	288.8	0.6	9.9	30.6	2.4	1.7	75.9	31.0	106.9	0.3	13.6
1996	293.6	0.6	11.5	32.9	2.7	1.8	83.7	33.1	116.8	0.3	13.8
1997	292.7	0.6	11.3	32.2	2.5	1.6	88.7	31.2	119.9	0.2	11.5
1998	300.4	0.6	12.2	32.7	2.2	1.4	91.9	27.3	119.2	0.1	15.4
1999	306.9	0.7	15.2	33.6	2.4	1.7	95.5	24.3	119.9	0.2	11.5
2000	304.4	0.6	15.7	34.8	2.3	1.5	98.8	23.3	122.1	0.2	10.5
2001	305.2	0.6	14.3	35.0	2.2	1.4	101.3	25.2	126.4	0.1	10.3
2002	311.8	0.6	12.1	32.9	2.0	1.3	100.8	23.6	124.4	0.1	8.8
2003	311.6	0.5	12.2	36.5	2.3	1.2	108.9	20.9	129.8	0.1	6.7
2004	316.4	0.6	12.7	40.3	2.1	1.3	116.5	19.6	136.1	NA	5.9
2005	321.8	0.5	15.2	35.1	2.0	1.4	118.7	20.6	139.3	NA	4.7
2006	315.6	0.5	15.2	39.4	1.4	1.3	123.2	16.7	139.9	0.3	6.5
2007	319.8	0.5	16.6	41.7	1.4	0.9	135.3	14.5	149.8	0.3	8.2
2008	306.4	0.4	16.5	34.2	1.0	1.0	138.7	14.9	153.6	0.2	9.5
2009	307.4	0.4	15.2	31.8	1.3	1.0	128.0	15.1	143.1	0.1	9.8
2010	312.0	0.4	20.3	28.3	1.4	0.9	135.5	11.5	147.0	W	10.7
2011	296.3	0.4	23.0	28.6	1.2	1.0	134.6	10.7	145.3	0.1	12.2
2012	294.7	0.4	23.5	27.6	1.2	0.8	136.9	10.7	147.6	W	8.8
2013	291.0	0.4	26.4	34.9	1.3	1.0	142.9	7.7	150.6	0.1	9.0
2014	289.2	0.4	27.5	32.9	1.4	1.4	146.3	7.0	153.3	0.1	8.0
2015	298.7	0.4	28.6	31.6	1.2	1.2	146.5	6.7	153.2	0.2	8.1
2016	303.8	0.4	30.3	32.4	1.2	1.0	138.3	8.2	146.5	0.1	8.4
2017	301.5	0.4	38.1	28.9	1.0	1.0	146.5	8.5	155.0	W	7.1
2018											
January	283.1	0.3	41.1	46.8	2.3	3.2	145.8	17.5	163.4	W	8.9
February	296.0	0.3	41.4	39.3	1.5	2.5	144.5	12.6	157.1	W	7.7
March	306.3	0.4	38.3	31.4	1.0	1.1	148.8	9.5	158.3	W	7.4
April	306.9	0.5	40.0	24.4	0.8	0.4	156.2	9.0	165.3	W	7.0
May	318.4	0.5	41.8	20.9	0.8	0.1	159.3	5.3	164.7	W	8.4
June	319.5	0.5	44.1	18.9	0.9	0.1	160.4	4.2	164.7	W	8.1
July	312.1	0.6	42.7	19.3	0.8	0.1	154.1	3.8	158.0	W	7.3
August	314.5	0.5	43.3	21.9	1.2	0.2	159.4	3.3	162.7	W	7.6
September	305.4	0.4	40.2	20.8	1.8	0.4	156.3	4.7	161.0	W	7.8
October	306.2	0.5	37.9	28.5	1.0	1.2	161.2	9.7	170.9	W	7.3
November	301.8	0.3	38.1	33.6	1.4	2.7	155.3	12.9	168.1	W	6.7
December	293.9	0.4	37.2	36.1	1.4	2.4	152.3	17.1	169.5	W	7.3
2018	305.4	0.4	40.5	28.4	1.2	1.2	154.5	9.1	163.7	W	7.6
2019											
January	287.2	0.4	36.9	41.1	1.8	3.3	150.5	15.7	166.1	W	7.9
February	291.6	0.3	38.2	40.7	1.3	3.8	148.2	14.5	162.7	W	7.6
March	298.1	0.4	40.2	31.7	1.0	1.5	154.8	11.6	166.4	W	6.9
April	304.9	0.4	40.1	25.1	0.5	0.4	160.9	7.7	168.6	W	9.3
May	309.2	0.5	39.7	24.8	0.8	0.1	161.0	5.8	166.8	W	7.4
June	307.8	0.4	42.5	26.2	1.2	0.1	168.8	5.0	173.8	W	7.7
July	307.7	0.6	44.6	27.6	1.6	0.1	161.1	4.7	165.8	W	6.5
August	314.8	0.5	44.8	27.0	0.8	0.2	165.8	7.2	173.0	W	8.4
September	R302.1	0.5	44.3	27.7	1.2	0.4	R160.3	4.1	R164.5	W	7.5
October	305.3	0.5	40.4	29.5	1.1	1.3	168.6	6.2	174.8	W	7.7

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

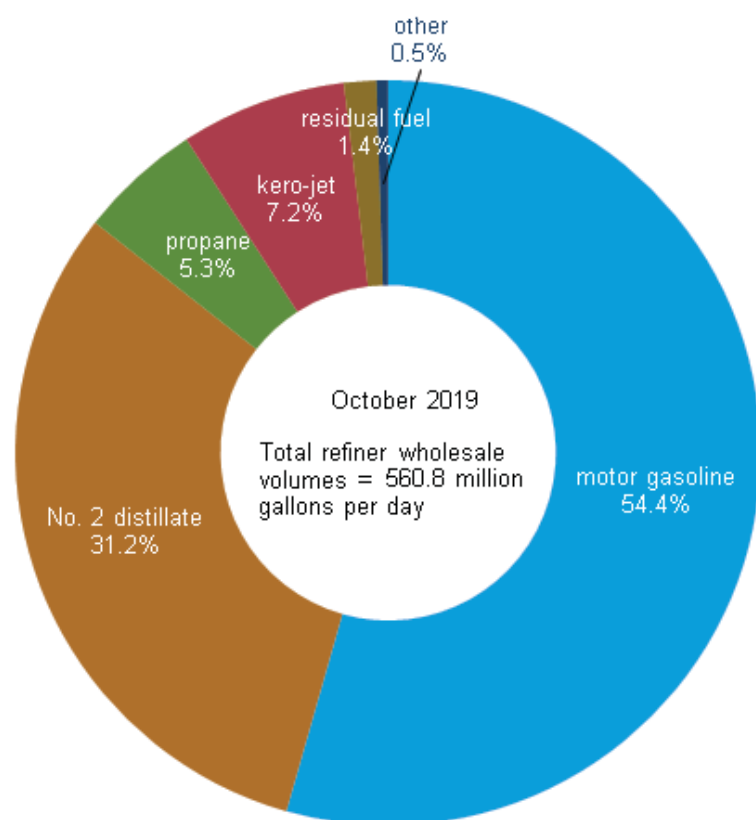
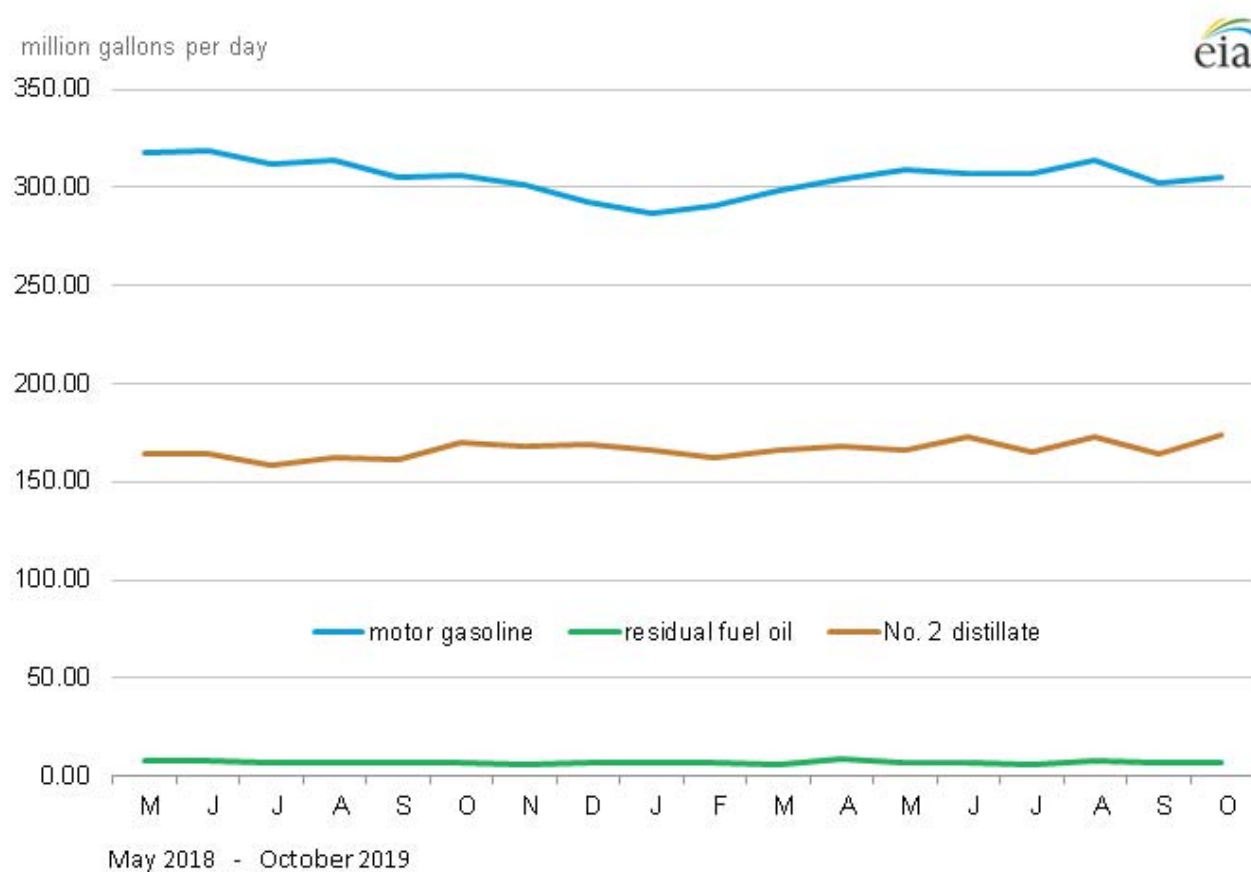
R = Revised data.

[a] Includes No. 4 fuel oil and No. 4 diesel fuel.

Notes: Motor gasoline averages and totals before October 1993 include leaded gasoline. Values shown for the current month are preliminary. Values shown for previous months are revised. Data through 2018 are final. Totals may not equal the sum of the components because of rounding.

Sources: U.S. Energy Information Administration Form EIA-782A, Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report.

Figure 5. U.S. refiner wholesale petroleum product volumes



Source: U.S. Energy Information Administration, Form EIA-782A, *Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report*.

**Table 6. U.S. refiner motor gasoline prices by grade and sales type**

dollars per gallon excluding taxes

Year month	Regular						Midgrade					
	Sales to end users		Sales for resale				Sales to end users		Sales for resale			
	Through retail outlets	Average[a]	DTW	Rack	Bulk	Average	Through retail outlets	Average[a]	DTW	Rack	Bulk	Average
1994	0.695	0.689	0.646	0.547	0.502	0.566	0.791	0.785	0.704	0.584	NA	0.638
1995	0.723	0.717	0.682	0.576	0.534	0.593	0.813	0.808	0.737	0.619	NA	0.670
1996	0.812	0.807	0.770	0.672	0.622	0.685	0.901	0.896	0.824	0.709	NA	0.759
1997	0.803	0.798	0.764	0.656	0.615	0.673	0.898	0.895	0.822	0.694	0.711	0.749
1998	0.634	0.630	0.596	0.481	0.449	0.499	0.731	0.728	0.655	0.521	NA	0.576
1999	0.747	0.742	0.730	0.605	0.542	0.620	0.838	0.835	0.784	0.639	NA	0.696
2000	1.077	1.073	1.042	0.927	0.873	0.942	1.171	1.168	1.099	0.960	-	1.013
2001	1	0.997	0.977	0.848	0.786	0.865	1.103	1.10	1.042	0.888	-	0.945
2002	0.915	0.912	0.886	0.801	0.735	0.806	1.013	1.010	0.968	0.839	-	0.885
2003	1.127	1.123	1.134	0.965	0.888	0.981	1.222	1.218	1.196	1.004	-	1.061
2004	1.407	1.404	1.414	1.257	1.182	1.269	1.503	1.499	1.469	1.296	-	1.340
2005	1.805	1.802	1.765	1.653	1.568	1.654	1.896	1.893	1.821	1.681	-	1.708
2006	2.102	2.099	2.082	1.944	1.866	1.950	2.216	2.213	2.157	1.987	-	2.016
2007	2.318	2.315	2.278	2.161	2.074	2.161	2.440	2.438	2.351	2.226	-	2.245
2008	2.752	2.748	2.702	2.558	2.525	2.570	2.880	2.879	2.775	2.588	-	2.610
2009	1.860	1.856	1.866	1.744	1.668	1.747	1.998	1.997	1.957	1.762	-	1.784
2010	2.275	2.270	2.261	2.144	2.073	2.146	2.416	2.416	2.357	2.168	-	2.185
2011	3.028	3.021	2.961	2.846	2.762	2.847	3.165	3.165	3.057	2.880	-	2.893
2012	3.132	3.118	3.086	2.892	2.836	2.904	3.291	3.290	3.194	2.906	-	2.925
2013	3.029	3.010	2.907	2.769	2.747	2.779	3.200	3.199	3.038	2.862	-	2.876
2014	2.832	2.811	2.767	2.574	2.520	2.584	3.031	3.030	2.903	2.716	-	2.738
2015	1.939	1.938	2.105	1.654	1.604	1.681	2.225	2.224	2.252	1.824	-	1.872
2016	1.661	1.660	1.701	1.392	1.354	1.410	1.935	1.934	1.839	1.552	-	1.586
2017	1.903	1.902	1.957	1.625	1.622	1.647	2.202	2.200	2.090	1.791	-	1.826
2018												
January	2.039	2.037	2.066	1.791	1.803	1.810	2.330	2.328	2.227	1.953	-	1.986
February	2.049	2.047	2.153	1.750	1.838	1.782	2.389	2.386	2.302	1.924	-	1.970
March	2.080	2.078	2.248	1.820	1.805	1.846	2.419	2.417	2.415	1.997	-	2.047
April	2.241	2.239	2.411	1.985	1.945	2.010	2.556	2.554	2.560	2.167	-	2.214
May	2.422	2.419	2.549	2.140	2.090	2.162	2.736	2.733	2.680	2.319	-	2.358
June	2.395	2.392	2.502	2.065	2.063	2.092	2.723	2.721	2.612	2.253	-	2.291
July	2.369	2.367	2.446	2.084	2.053	2.105	2.679	2.677	2.580	2.271	-	2.305
August	2.348	2.345	2.402	2.053	2.046	2.075	2.662	2.661	2.546	2.237	-	2.270
September	2.352	2.349	2.479	2.069	2.046	2.093	2.679	2.678	2.631	2.254	-	2.296
October	2.361	2.357	2.592	2.005	2.060	2.046	2.725	2.723	2.725	2.202	-	2.261
November	2.117	2.113	2.320	1.643	1.679	1.688	2.534	2.532	2.435	1.833	-	1.899
December	1.881	1.878	2.087	1.425	1.459	1.469	2.300	2.299	2.225	1.611	-	1.681
2018	2.225	2.222	2.359	1.907	1.923	1.937	2.565	2.563	2.498	2.098	-	2.143
2019												
January	1.766	1.762	1.984	1.405	1.407	1.441	2.158	2.157	2.138	1.584	-	1.644
February	1.869	1.865	2.034	1.555	1.499	1.582	2.214	2.213	2.230	1.728	-	1.783
March	2.059	2.056	2.212	1.820	1.729	1.839	2.392	2.391	2.381	1.993	-	2.034
April	2.405	2.402	2.685	2.052	2.026	2.091	2.769	2.767	2.835	2.246	-	2.306
May	2.438	2.432	2.711	2.020	1.983	2.061	2.825	2.822	2.840	2.211	-	2.268
June	2.284	2.277	2.456	1.822	1.771	1.860	2.665	2.662	2.604	2.014	-	2.066
July	2.300	2.294	2.378	1.906	1.835	1.933	2.640	2.637	2.565	2.113	-	2.150
August	2.170	2.163	2.271	1.736	1.703	1.769	2.541	2.539	2.467	1.946	-	1.988
September	2.152	R2.147	2.399	1.762	R1.705	R1.800	2.553	2.549	2.611	1.984	-	2.042
October	2.192	2.185	2.669	1.763	1.668	1.816	2.662	2.656	2.874	1.988	-	2.071

See footnotes at end of table.

**Table 6. U.S. refiner motor gasoline prices by grade and sales type (cont.)**

dollars per gallon excluding taxes

Year month	Premium						All grades					
	Sales to end users		Sales for resale				Sales to end users		Sales for resale			
	Through retail outlets	Average[a]	DTW	Rack	Bulk	Average	Through retail outlets	Average[a]	DTW	Rack	Bulk	Average
1994	0.873	0.865	0.787	0.640	0.556	0.695	0.744	0.738	0.693	0.567	0.509	0.599
1995	0.897	0.890	0.822	0.673	0.583	0.722	0.771	0.765	0.729	0.598	0.540	0.626
1996	0.979	0.972	0.897	0.762	0.669	0.803	0.853	0.847	0.809	0.690	0.627	0.713
1997	0.979	0.973	0.895	0.749	0.658	0.792	0.844	0.839	0.803	0.674	0.620	0.70
1998	0.811	0.805	0.726	0.573	0.489	0.617	0.678	0.673	0.636	0.50	0.454	0.526
1999	0.912	0.906	0.851	0.687	0.585	0.726	0.785	0.781	0.765	0.621	0.549	0.645
2000	1.250	1.242	1.174	1.017	0.927	1.055	1.111	1.106	1.074	0.940	0.879	0.963
2001	1.181	1.175	1.112	0.936	0.830	0.980	1.035	1.032	1.009	0.862	0.791	0.886
2002	1.094	1.088	1.030	0.899	0.80	0.928	0.949	0.947	0.922	0.816	0.741	0.828
2003	1.312	1.305	1.269	1.064	0.955	1.113	1.160	1.156	1.164	0.978	0.893	1.002
2004	1.603	1.596	1.553	1.361	1.274	1.408	1.439	1.435	1.442	1.270	1.187	1.288
2005	2	1.992	1.901	1.760	1.696	1.789	1.833	1.829	1.791	1.664	1.576	1.670
2006	2.326	2.320	2.231	2.093	1.988	2.117	2.131	2.128	2.110	1.959	1.873	1.969
2007	2.558	2.552	2.460	2.339	2.209	2.357	2.349	2.345	2.311	2.180	2.080	2.182
2008	2.971	2.965	2.846	2.718	2.689	2.746	2.778	2.775	2.726	2.572	2.532	2.586
2009	2.128	2.122	2.059	1.941	1.816	1.958	1.892	1.888	1.899	1.761	1.675	1.767
2010	2.543	2.536	2.446	2.334	2.187	2.346	2.306	2.301	2.293	2.162	2.078	2.165
2011	3.291	3.283	3.139	3.047	2.873	3.049	3.058	3.050	2.990	2.864	2.769	2.867
2012	3.413	3.400	3.273	3.149	3.102	3.163	3.168	3.154	3.117	2.916	2.861	2.929
2013	3.320	3.307	3.108	3.076	3.010	3.075	3.068	3.049	2.942	2.801	2.774	2.812
2014	3.152	3.138	2.941	2.878	2.783	2.880	2.876	2.855	2.800	2.606	2.548	2.618
2015	2.392	2.386	2.312	2.035	1.845	2.061	2.006	2.003	2.148	1.696	1.627	1.726
2016	2.134	2.132	1.939	1.757	1.535	1.767	1.731	1.730	1.754	1.434	1.374	1.454
2017	2.416	2.413	2.204	1.973	1.825	1.997	1.978	1.976	2.013	1.665	1.644	1.689
2018												
January	2.552	2.547	2.328	2.115	1.992	2.136	2.111	2.108	2.125	1.827	1.824	1.849
February	2.619	2.614	2.413	2.087	1.982	2.126	2.130	2.127	2.211	1.787	1.851	1.823
March	2.649	2.644	2.523	2.166	2.013	2.206	2.162	2.160	2.307	1.859	1.821	1.889
April	2.787	2.783	2.663	2.342	2.189	2.376	2.317	2.315	2.467	2.026	1.969	2.054
May	2.952	2.945	2.789	2.492	2.315	2.521	2.498	2.494	2.602	2.181	2.108	2.205
June	2.940	2.933	2.726	2.420	2.226	2.444	2.473	2.469	2.551	2.105	2.083	2.135
July	2.897	2.891	2.687	2.434	2.255	2.455	2.445	2.442	2.499	2.125	2.076	2.148
August	2.881	2.874	2.652	2.397	2.215	2.421	2.424	2.421	2.457	2.093	2.065	2.118
September	2.897	2.891	2.740	2.410	2.263	2.446	2.431	2.428	2.537	2.108	2.065	2.136
October	2.962	2.954	2.840	2.361	2.249	2.419	2.445	2.441	2.647	2.045	2.080	2.090
November	2.764	2.755	2.542	1.998	1.825	2.062	2.210	2.205	2.369	1.683	1.694	1.732
December	2.534	2.526	2.321	1.766	1.594	1.832	1.977	1.973	2.140	1.464	1.476	1.514
2018	2.790	2.784	2.605	2.256	2.105	2.293	2.306	2.303	2.413	1.947	1.942	1.980
2019												
January	2.401	2.394	2.232	1.734	1.548	1.786	1.858	1.854	2.040	1.442	1.424	1.483
February	2.447	2.440	2.312	1.877	1.721	1.925	1.954	1.949	2.097	1.591	1.527	1.624
March	2.621	2.615	2.484	2.148	2.011	2.187	2.141	2.137	2.272	1.857	1.755	1.881
April	3.012	3.004	2.957	2.417	2.325	2.483	2.492	2.487	2.744	2.093	2.059	2.138
May	3.068	3.052	2.967	2.401	2.240	2.465	2.527	2.520	2.765	2.064	2.009	2.110
June	2.904	2.887	2.719	2.199	1.995	2.255	2.374	2.366	2.513	1.866	1.802	1.909
July	2.876	2.861	2.664	2.297	2.182	2.337	2.383	2.375	2.441	1.952	1.882	1.984
August	2.779	2.764	2.555	2.126	1.970	2.173	2.259	2.252	2.334	1.782	1.739	1.820
September	2.792	2.777	2.705	2.164	R2.096	2.229	2.249	R2.242	2.467	1.809	R1.752	1.854
October	2.921	2.901	2.968	2.175	2.021	2.265	2.297	2.289	2.733	1.811	1.713	1.871

NA = Not available.

- = No data reported.

R = Revised data.

[a] Includes sales through retail outlets as well as all direct sales to end users that were not made through company-operated retail outlets, e.g., sales to agricultural customers, commercial sales, and industrial sales.

Notes: - Motor gasoline averages and totals prior to October 1993 include leaded gasoline. Includes sales through retail outlets as well as all direct sales to end users that were not made through company-operated retail outlets, e.g., sales to agricultural customers, commercial sales, and industrial sales. - Data for the 4th quarter of 1993 were derived from two separate survey systems. The DTW, Rack, and Bulk components were derived from the revised EIA-782 survey system, while the End-Use and Average Resale categories were derived from the predecessor EIA-782 survey system. Therefore, the DTW, Rack, and Bulk components are not consistent with the Average Resale category. Beginning January 1994, all data are from the revised EIA-782 survey system and are consistent. - Values shown for the current month are preliminary. Values shown for previous months may be revised. Data through 2018 are final.

Sources: U.S. Energy Information Administration Form EIA-782A, Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report.



**Table 7. U.S. refiner motor gasoline volumes by grade and sales type**

million gallons per day

Year month	Regular						Midgrade					
	Sales to end users		Sales for resale				Sales to end users		Sales for resale			
	Through retail outlets	Total[a]	DTW	Rack	Bulk	Total	Through retail outlets	Total[a]	DTW	Rack	Bulk	Total
1994	34.3	35.9	47.7	120.3	24.3	192.3	8.5	8.7	12.8	15.7	0.2	28.7
1995	34.3	35.9	43.8	126.2	31.8	201.8	9.6	9.8	13.3	17.2	0.1	30.6
1996	37.2	38.9	46.5	131.9	35.2	213.6	9.5	9.8	12.9	16.6	NA	29.5
1997	40.5	42.4	46.2	135.7	33.9	215.8	9.7	10.0	12.1	16.3	NA	28.4
1998	41.7	43.2	44.4	138.9	37.1	220.3	10.1	10.3	11.1	16.3	NA	27.4
1999	41.6	43.0	45.6	147.5	34.5	227.6	9.9	10.1	10.5	16.1	NA	26.6
2000	43.6	45.0	47.5	159.3	32.4	239.3	8.6	8.7	8.8	14.2	-	23.0
2001	45.0	46.3	47.2	163.2	33.0	243.5	8.3	8.4	7.8	13.3	-	21.1
2002	46.2	47.4	46.9	163.0	39.2	249.2	8.3	8.5	7.4	13.4	-	20.8
2003	47.3	48.6	43.5	171.4	40.1	255.0	7.8	7.9	5.5	13.1	-	18.6
2004	44.5	45.8	41.1	182.1	42.2	265.4	6.4	6.5	4.4	12.7	-	17.0
2005	46.4	47.5	37.5	189.8	45.8	273.2	5.9	6.0	3.2	13.5	-	16.7
2006	48.2	49.4	34.8	196.0	40.8	271.7	5.5	5.5	2.4	11.7	-	14.1
2007	47.0	47.8	34.0	195.7	46.8	276.6	5.0	5.0	2.0	11.7	-	13.7
2008	45.6	46.6	32.5	192.7	43.7	268.8	4.1	4.2	1.5	11.0	-	12.5
2009	40.5	42.2	32.4	196.8	39.3	268.5	3.5	3.5	1.3	10.2	-	11.5
2010	36.6	38.1	29.0	202.2	41.4	272.5	3.0	3.1	0.9	9.9	-	10.8
2011	32.1	33.5	24.9	204.9	30.5	260.2	2.5	2.5	0.7	8.5	-	9.2
2012	23.6	25.2	22.4	209.3	25.8	257.5	1.9	1.9	0.6	8.3	-	8.9
2013	19.3	20.9	22.7	209.2	22.3	254.2	1.6	1.6	0.6	6.7	-	7.2
2014	16.7	18.2	18.9	216.9	18.9	254.8	1.4	1.4	0.4	3.1	-	3.5
2015	20.8	21.1	18.0	224.2	19.6	261.8	1.7	1.8	0.3	2.7	-	3.1
2016	20.8	21.0	17.9	228.0	19.0	264.9	1.8	1.8	0.3	2.5	-	2.8
2017	20.0	20.2	17.2	230.5	15.6	263.4	1.7	1.7	0.3	2.1	-	2.4
2018												
January	18.5	18.7	15.9	215.9	16.4	248.3	1.5	1.5	0.2	1.7	-	2.0
February	19.2	19.5	16.8	224.3	18.9	260.1	1.6	1.6	0.2	1.8	-	2.0
March	19.7	20.0	17.3	231.3	20.4	269.0	1.7	1.7	0.2	1.8	-	2.1
April	19.6	19.8	17.5	231.0	20.6	269.0	1.6	1.6	0.3	1.9	-	2.1
May	19.8	20.1	17.3	240.2	21.5	279.0	1.7	1.7	0.2	2.0	-	2.2
June	20.5	20.8	17.4	242.1	20.4	279.8	1.7	1.7	0.2	2.0	-	2.2
July	20.0	20.3	17.3	237.2	18.3	272.7	1.7	1.7	0.2	2.0	-	2.2
August	20.7	21.0	17.6	241.8	15.5	275.0	1.7	1.7	0.2	2.0	-	2.2
September	19.8	20.1	17.1	230.0	20.7	267.8	1.7	1.7	0.2	1.8	-	2.0
October	20.3	20.6	17.0	236.1	15.9	269.0	1.7	1.7	0.2	1.7	-	1.9
November	20.2	20.5	16.7	233.2	15.2	265.1	1.7	1.7	0.2	1.7	-	1.9
December	19.8	20.0	16.6	227.2	13.5	257.2	1.6	1.6	0.2	1.6	-	1.8
2018	19.9	20.1	17.0	232.6	18.1	267.7	1.6	1.7	0.2	1.8	-	2.1
2019												
January	19.0	19.2	15.6	218.2	17.8	251.6	1.6	1.6	0.2	1.5	-	1.7
February	19.2	19.5	16.4	222.8	15.9	255.2	1.6	1.6	0.2	1.5	-	1.7
March	19.9	20.1	16.8	229.8	15.1	261.7	1.7	1.7	0.2	1.6	-	1.8
April	19.8	20.0	17.0	235.7	14.8	267.5	1.7	1.7	0.2	1.6	-	1.8
May	20.2	20.6	16.9	239.7	14.3	270.9	1.6	1.6	0.2	1.8	-	2.0
June	20.3	20.7	17.1	240.7	10.9	268.7	1.7	1.7	0.2	1.8	-	2.0
July	20.2	20.6	16.7	241.4	10.1	268.1	1.7	1.7	0.2	1.8	-	2.0
August	21.0	21.4	17.3	245.9	11.1	274.2	1.7	1.7	0.2	1.8	-	2.0
September	19.5	19.8	16.8	235.0	R11.6	R263.3	1.6	1.6	0.2	1.6	-	1.8
October	19.6	20.0	16.7	239.0	11.4	267.1	1.6	1.6	0.2	1.5	-	1.7

See footnotes at end of table.

**Table 7. U.S. refiner motor gasoline volumes by grade and sales type (cont.)**

million gallons per day

Year month	Premium						All grades					
	Sales to end users		Sales for resale				Sales to end users		Sales for resale			
	Through retail outlets	Total[a]	DTW	Rack	Bulk	Total	Through retail outlets	Total[a]	DTW	Rack	Bulk	Total
1994	10.0	10.3	22.6	29.9	3.2	55.7	52.8	55.0	83.1	165.9	27.7	276.7
1995	9.8	10.2	20.8	31.5	4.2	56.4	53.7	55.9	77.9	174.8	36.0	288.8
1996	8.4	8.8	18.2	28.3	4.1	50.5	55.1	57.5	77.5	176.8	39.3	293.6
1997	8.4	8.8	16.9	27.6	4.0	48.5	58.7	61.1	75.1	179.6	38.0	292.7
1998	9.6	9.9	17.4	30.9	4.3	52.7	61.4	63.3	73.0	186.1	41.4	300.4
1999	8.7	8.9	16.1	31.0	5.7	52.7	60.2	62.0	72.2	194.6	40.2	306.9
2000	6.9	7.1	13.0	24.4	4.7	42.1	59.1	60.9	69.4	197.9	37.1	304.4
2001	7.1	7.3	12.3	24.6	3.7	40.6	60.4	62.0	67.4	201.1	36.7	305.2
2002	7.5	7.8	12.5	25.2	4.1	41.8	62.1	63.6	66.9	201.7	43.3	311.8
2003	7.1	7.3	10.8	23.9	3.3	38.1	62.2	63.8	59.8	208.4	43.4	311.6
2004	5.9	6.1	9.4	22.3	2.3	34.0	56.9	58.4	54.8	217.1	44.5	316.4
2005	5.2	5.4	8.0	20.9	3.0	31.9	57.5	59.0	48.7	224.2	48.9	321.8
2006	4.9	5.1	7.1	20.3	2.4	29.7	58.6	60.0	44.3	228.0	43.2	315.6
2007	4.7	4.8	6.9	20.2	2.4	29.5	56.7	57.7	43.0	227.6	49.2	319.8
2008	4.2	4.3	5.9	17.1	1.9	25.0	53.9	55.1	39.9	220.8	45.7	306.4
2009	4.0	4.1	6.3	19.1	2.1	27.4	48.0	49.8	39.9	226.1	41.4	307.4
2010	3.4	3.5	5.7	20.9	2.1	28.7	43.1	44.7	35.7	232.9	43.5	312.0
2011	2.9	3.0	4.6	20.3	2.0	26.9	37.5	39.0	30.1	233.7	32.5	296.3
2012	2.5	2.6	4.2	21.6	2.6	28.4	28.0	29.7	27.2	239.2	28.4	294.7
2013	2.2	2.3	4.3	22.7	2.6	29.6	23.0	24.7	27.6	238.6	24.8	291.0
2014	1.9	2.0	4.2	24.4	2.3	30.9	19.9	21.6	23.5	244.5	21.2	289.2
2015	2.6	2.6	4.5	27.3	2.0	33.8	25.1	25.5	22.9	254.2	21.6	298.7
2016	2.7	2.7	5.0	28.8	2.4	36.1	25.3	25.6	23.2	259.3	21.3	303.8
2017	2.5	2.6	4.9	29.0	1.9	35.7	24.2	24.5	22.4	261.6	17.5	301.5
2018												
January	2.3	2.3	4.5	26.3	2.0	32.8	22.3	22.5	20.7	244.0	18.4	283.1
February	2.3	2.3	4.7	27.3	2.0	34.0	23.1	23.4	21.8	253.4	20.8	296.0
March	2.4	2.5	4.7	28.7	1.7	35.2	23.8	24.1	22.3	261.9	22.1	306.3
April	2.4	2.4	4.9	28.7	2.2	35.8	23.5	23.8	22.6	261.5	22.8	306.9
May	2.5	2.5	4.8	30.5	1.9	37.2	24.0	24.3	22.3	272.7	23.4	318.4
June	2.5	2.6	4.8	29.9	2.8	37.5	24.7	25.1	22.4	273.9	23.2	319.5
July	2.5	2.5	4.8	30.0	2.3	37.1	24.2	24.6	22.3	269.2	20.6	312.1
August	2.6	2.6	4.9	30.5	2.0	37.3	25.0	25.4	22.8	274.2	17.5	314.5
September	2.5	2.5	4.8	28.9	1.9	35.6	24.0	24.4	22.1	260.7	22.6	305.4
October	2.4	2.4	4.7	28.6	1.9	35.2	24.3	24.7	21.9	266.4	17.9	306.2
November	2.4	2.4	4.7	28.5	1.7	34.9	24.3	24.6	21.5	263.4	16.9	301.8
December	2.5	2.5	4.7	28.2	1.9	34.9	23.9	24.2	21.5	257.0	15.4	293.9
2018	2.4	2.5	4.7	28.8	2.0	35.6	23.9	24.3	22.0	263.3	20.1	305.4
2019												
January	2.4	2.4	4.4	27.0	2.4	33.9	22.9	23.2	20.3	246.7	20.2	287.2
February	2.4	2.5	4.6	27.7	2.3	34.7	23.2	23.6	21.3	252.1	18.2	291.6
March	2.5	2.5	4.6	28.5	1.5	34.6	24.0	24.3	21.6	259.9	16.6	298.1
April	2.4	2.4	4.6	29.2	1.8	35.6	23.8	24.1	21.9	266.5	16.6	304.9
May	2.4	2.5	4.5	30.1	1.6	36.3	24.3	24.7	21.7	271.7	15.9	309.2
June	2.5	2.6	4.7	30.7	1.8	37.2	24.5	24.9	21.9	273.2	12.6	307.8
July	2.5	2.6	4.6	31.4	1.6	37.6	24.4	24.8	21.5	274.6	11.6	307.7
August	2.7	2.7	4.8	32.0	1.8	38.6	25.4	25.9	22.3	279.7	12.8	314.8
September	2.5	2.6	4.7	30.8	1.6	37.0	23.6	24.1	21.6	267.4	R13.1	R302.1
October	2.4	2.4	4.5	30.4	1.7	36.5	23.6	24.0	21.3	270.9	13.0	305.3

NA = Not available.

- = No data reported.

R = Revised data.

[a] Includes sales through retail outlets as well as all direct sales to end users that were not made through company-operated retail outlets, e.g., sales to agricultural customers, commercial sales, and industrial sales.

Notes: - Motor gasoline averages and totals prior to October 1993 include leaded gasoline. - Data for the 4th quarter of 1993 were derived from two separate survey systems. The DTW, Rack, and Bulk components were derived from the revised EIA-782 survey system, while the End-Use and Average Resale categories were derived from the predecessor EIA-782 survey system. Therefore, the DTW, Rack, and Bulk components are not consistent with the Average Resale category. Beginning January 1994, all data are from the revised EIA-782 survey system and are consistent. - Values shown for the current month are preliminary. Values shown for previous months are revised. Data through 2018 are final. Totals may not equal the sum of the components due to rounding.

Sources: U.S. Energy Information Administration Form EIA-782A, Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report.

**Table 8. U.S. refiner conventional motor gasoline prices by grade and sales type**

dollars per gallon excluding taxes

Year month	Regular						Midgrade					
	Sales to end users		Sales for resale				Sales to end users		Sales for resale			
	Through retail outlets	Average[a]	DTW	Rack	Bulk	Average	Through retail outlets	Average[a]	DTW	Rack	Bulk	Average
1994	0.687	0.681	0.636	0.545	0.50	0.558	0.784	0.778	0.694	NA	NA	0.627
1995	0.710	0.704	0.651	0.570	0.525	0.573	0.80	0.794	0.711	0.610	NA	0.637
1996	0.797	0.791	0.743	0.665	0.607	0.664	0.884	0.878	0.801	0.70	NA	0.726
1997	0.781	0.775	0.719	0.649	0.60	0.648	0.874	0.869	0.783	0.685	W	0.708
1998	0.611	0.606	0.551	0.473	0.439	0.473	0.704	0.70	0.613	0.511	W	0.533
1999	0.710	0.706	0.676	0.595	0.520	0.590	0.802	0.799	0.734	0.628	-	0.650
2000	1.045	1.040	0.994	0.913	0.844	0.909	1.136	1.133	1.052	0.945	-	0.964
2001	0.961	0.958	0.914	0.835	0.761	0.830	1.058	1.055	0.984	0.872	-	0.889
2002	0.893	0.891	0.836	0.791	0.723	0.782	0.985	0.981	0.906	0.829	-	0.839
2003	1.081	1.078	1.040	0.952	0.871	0.942	1.173	1.168	1.108	0.994	-	1.006
2004	1.368	1.364	1.325	1.244	1.170	1.234	1.454	1.450	1.391	1.287	-	1.296
2005	1.780	1.776	1.709	1.643	1.555	1.629	1.861	1.857	1.781	1.675	-	1.682
2006	2.062	2.060	2.054	1.925	1.864	1.918	2.166	2.164	2.134	1.972	-	1.980
2007	2.292	2.289	2.242	2.153	2.065	2.138	2.392	2.390	2.298	2.222	-	2.225
2008	2.717	2.714	2.698	2.560	2.513	2.555	2.829	2.829	2.734	2.581	-	2.586
2009	1.825	1.821	1.817	1.735	1.657	1.723	1.936	1.936	1.877	1.751	-	1.755
2010	2.244	2.239	2.244	2.139	2.065	2.128	2.361	2.361	2.336	2.160	-	2.164
2011	2.998	2.989	2.916	2.834	2.751	2.825	3.105	3.104	3.033	2.869	-	2.872
2012	3.076	3.060	2.999	2.867	2.816	2.864	3.202	3.202	3.117	2.886	-	2.890
2013	2.975	2.954	2.797	2.745	2.724	2.745	3.110	3.110	2.947	2.850	-	2.852
2014	2.775	2.753	2.706	2.558	2.502	2.556	2.932	2.931	2.858	2.703	-	2.711
2015	1.833	1.833	1.858	1.625	1.575	1.625	2.033	2.032	2.090	1.794	-	1.809
2016	1.591	1.591	1.497	1.375	1.332	1.374	1.811	1.811	1.681	1.541	-	1.549
2017	1.829	1.829	1.780	1.607	1.602	1.610	2.082	2.080	1.954	1.781	-	1.791
<b>2018</b>												
January	1.965	1.963	1.888	1.776	1.783	1.779	2.203	2.201	2.087	1.945	-	1.954
February	1.949	1.948	1.934	1.732	1.827	1.744	2.218	2.216	2.151	1.912	-	1.928
March	1.974	1.973	2.051	1.791	1.776	1.795	2.235	2.233	2.253	1.972	-	1.990
April	2.148	2.148	2.232	1.956	1.915	1.957	2.411	2.408	2.436	2.147	-	2.165
May	2.331	2.328	2.385	2.106	2.067	2.107	2.597	2.592	2.579	2.300	-	2.316
June	2.298	2.295	2.340	2.036	2.044	2.042	2.579	2.576	2.532	2.246	-	2.261
July	2.286	2.284	2.288	2.063	2.027	2.065	2.550	2.548	2.458	2.270	-	2.281
August	2.267	2.264	2.235	2.038	2.025	2.041	2.536	2.535	2.442	2.244	-	2.254
September	2.265	2.263	2.271	2.054	2.028	2.056	2.537	2.536	2.485	2.252	-	2.266
October	2.249	2.247	2.358	1.989	2.042	1.999	2.540	2.538	2.586	2.190	-	2.213
November	1.984	1.982	2.115	1.628	1.655	1.639	2.314	2.312	2.383	1.824	-	1.855
December	1.731	1.729	1.880	1.394	1.437	1.406	2.047	2.047	2.150	1.579	-	1.612
2018	2.123	2.122	2.167	1.885	1.903	1.892	2.401	2.399	2.378	2.087	-	2.104
<b>2019</b>												
January	1.623	1.621	1.728	1.369	1.383	1.377	1.911	1.912	2.002	1.545	-	1.569
February	1.755	1.751	1.733	1.521	1.458	1.520	2.003	2.004	2.025	1.685	-	1.702
March	1.954	1.952	1.954	1.788	1.687	1.784	2.210	2.210	2.181	1.962	-	1.973
April	2.248	2.245	2.320	1.995	1.963	1.999	2.505	2.504	2.504	2.186	-	2.201
May	2.263	2.260	2.389	1.968	1.926	1.973	2.546	2.544	2.579	2.171	-	2.187
June	2.122	2.118	2.141	1.781	1.729	1.786	2.408	2.406	2.341	1.990	-	2.003
July	2.177	2.172	2.118	1.872	1.787	1.873	2.436	2.434	2.338	2.101	-	2.109
August	2.038	2.034	2.007	1.708	1.671	1.712	2.310	2.308	2.254	1.931	-	1.940
September	2.030	2.026	2.044	1.728	1.633	1.729	2.313	2.310	2.316	1.942	-	1.956
October	2.024	2.020	2.203	1.722	1.591	1.724	2.322	2.315	2.486	1.933	-	1.954

See footnotes at end of table.

**Table 8. U.S. refiner conventional motor gasoline prices by grade and sales type (cont.)**

dollars per gallon excluding taxes

Year month	Premium						All grades					
	Sales to end users		Sales for resale				Sales to end users		Sales for resale			
	Through retail outlets	Average[a]	DTW	Rack	Bulk	Average	Through retail outlets	Average[a]	DTW	Rack	Bulk	Average
1994	0.863	0.855	0.778	0.638	0.555	0.682	0.736	0.729	0.683	0.565	0.507	0.589
1995	0.877	0.868	0.790	0.665	0.568	0.684	0.753	0.746	0.693	0.590	0.530	0.598
1996	0.960	0.951	0.869	0.755	0.645	0.767	0.834	0.827	0.778	0.682	0.610	0.685
1997	0.954	0.946	0.856	0.742	0.641	0.753	0.819	0.813	0.756	0.666	0.604	0.668
1998	0.783	0.776	0.684	W	0.474	0.576	0.652	0.647	0.589	0.491	0.442	0.494
1999	0.872	0.865	0.801	0.679	0.558	0.681	0.748	0.743	0.711	0.611	0.525	0.609
2000	1.211	1.201	1.120	1.002	0.897	1.005	1.076	1.071	1.023	0.926	0.849	0.925
2001	1.129	1.123	1.042	0.922	0.806	0.923	0.992	0.989	0.943	0.848	0.765	0.845
2002	1.064	1.058	0.978	0.889	0.788	0.886	0.924	0.921	0.867	0.806	0.729	0.798
2003	1.253	1.245	1.178	1.051	0.925	1.050	1.109	1.105	1.067	0.965	0.874	0.957
2004	1.544	1.534	1.466	1.347	1.248	1.348	1.391	1.387	1.348	1.257	1.174	1.247
2005	1.966	1.954	1.857	1.747	1.652	1.746	1.801	1.797	1.732	1.654	1.560	1.641
2006	2.274	2.265	2.215	2.070	1.981	2.071	2.084	2.082	2.077	1.940	1.869	1.933
2007	2.502	2.494	2.415	2.328	2.181	2.317	2.313	2.309	2.267	2.172	2.070	2.156
2008	2.928	2.921	2.851	2.726	2.650	2.726	2.736	2.733	2.716	2.573	2.518	2.568
2009	2.062	2.054	2.014	1.927	1.802	1.918	1.845	1.841	1.843	1.750	1.664	1.738
2010	2.489	2.478	2.443	2.329	2.172	2.318	2.264	2.259	2.270	2.155	2.069	2.143
2011	3.230	3.219	3.105	3.035	2.864	3.018	3.016	3.008	2.939	2.851	2.758	2.841
2012	3.316	3.299	3.194	3.116	3.094	3.116	3.098	3.083	3.024	2.887	2.843	2.886
2013	3.231	3.213	3.011	3.059	3.004	3.049	2.997	2.977	2.825	2.775	2.755	2.774
2014	3.063	3.043	2.901	2.885	2.794	2.875	2.800	2.778	2.736	2.589	2.535	2.587
2015	2.216	2.210	2.085	2.016	1.812	1.999	1.869	1.869	1.899	1.663	1.599	1.663
2016	2.042	2.037	1.709	1.758	1.510	1.731	1.635	1.634	1.536	1.414	1.353	1.411
2017	2.338	2.331	2.002	1.973	1.792	1.961	1.876	1.876	1.821	1.643	1.622	1.646
2018												
January	2.479	2.468	2.118	2.121	1.956	2.106	2.010	2.009	1.931	1.809	1.801	1.811
February	2.493	2.482	2.176	2.086	1.943	2.078	1.997	1.996	1.980	1.766	1.838	1.777
March	2.510	2.502	2.298	2.154	1.954	2.146	2.022	2.021	2.097	1.827	1.789	1.829
April	2.683	2.676	2.484	2.337	2.141	2.325	2.197	2.196	2.278	1.993	1.936	1.994
May	2.867	2.852	2.632	2.487	2.273	2.476	2.380	2.377	2.431	2.145	2.083	2.145
June	2.848	2.832	2.570	2.425	2.201	2.404	2.348	2.345	2.383	2.074	2.064	2.079
July	2.828	2.814	2.522	2.439	2.224	2.422	2.335	2.333	2.332	2.102	2.050	2.102
August	2.814	2.798	2.477	2.418	2.185	2.403	2.317	2.314	2.280	2.077	2.043	2.079
September	2.810	2.796	2.526	2.420	2.222	2.409	2.315	2.313	2.318	2.091	2.042	2.091
October	2.823	2.806	2.617	2.366	2.188	2.363	2.300	2.297	2.406	2.025	2.056	2.035
November	2.583	2.565	2.373	2.010	1.778	2.007	2.038	2.035	2.164	1.665	1.667	1.675
December	2.322	2.306	2.133	1.745	1.533	1.744	1.784	1.782	1.930	1.428	1.449	1.440
2018	2.676	2.663	2.413	2.260	2.066	2.249	2.173	2.171	2.213	1.922	1.919	1.928
2019												
January	2.192	2.179	1.961	1.704	1.493	1.691	1.674	1.672	1.772	1.402	1.396	1.409
February	2.279	2.266	1.982	1.842	1.666	1.831	1.801	1.798	1.781	1.552	1.483	1.552
March	2.483	2.472	2.207	2.125	1.955	2.118	2.002	1.999	2.001	1.821	1.709	1.817
April	2.781	2.768	2.575	2.359	2.227	2.357	2.295	2.292	2.366	2.030	1.991	2.035
May	2.821	2.803	2.661	2.353	2.160	2.352	2.314	2.311	2.438	2.007	1.951	2.012
June	2.697	2.674	2.395	2.169	1.936	2.162	2.175	2.170	2.187	1.821	1.759	1.826
July	2.726	2.706	2.387	2.279	2.143	2.275	2.227	2.222	2.168	1.915	1.834	1.917
August	2.601	2.580	2.275	2.114	1.908	2.107	2.091	2.086	2.057	1.750	1.703	1.755
September	2.607	2.586	2.333	2.134	R2.011	2.135	2.085	2.080	2.098	1.771	R1.676	1.773
October	2.608	2.586	2.509	2.130	1.890	2.129	2.076	2.071	2.259	1.763	1.626	1.766

NA = Not available.

- = No data reported.

W = Withheld to avoid disclosure of individual company data.

R = Revised data.

[a] Includes sales through retail outlets as well as all direct sales to end users that were not made through company-operated retail outlets, e.g., sales to agricultural customers, commercial sales, and industrial sales.

Notes: - Beginning January 2007, oxygenated gasoline is included in conventional gasoline. - The 4th quarter of 1993 was a transitional period between the predecessor EIA-782 survey system and the revised EIA-782 survey system. The revised survey system contains additional product and sales categories, which may not be consistent with categories derived from the predecessor survey system. Beginning January 1994 all data are from the revised survey system and are consistent. Sales to end users - Values shown for the current month are preliminary. Values shown for previous months may be revised. Data through 2018 are final.

Sources: U.S. Energy Information Administration Form EIA-782A, Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report.

**Table 9. U.S. refiner conventional motor gasoline volumes by grade and sales type**

million gallons per day

Year month	Regular						Midgrade					
	Sales to end users		Sales for resale				Sales to end users		Sales for resale			
	Through retail outlets	Total[a]	DTW	Rack	Bulk	Total	Through retail outlets	Total[a]	DTW	Rack	Bulk	Total
1994	29.7	31.2	36.1	113.5	22.8	172.4	7.6	7.8	10.1	14.6	0.1	24.8
1995	24.0	25.3	19.4	105.1	26.0	150.5	6.0	6.3	5.1	13.6	0.1	18.7
1996	24.1	25.4	17.8	108.5	27.1	153.4	5.7	5.9	4.4	12.9	NA	17.3
1997	25.0	26.4	16.4	110.9	26.4	153.7	5.7	5.9	3.9	12.7	W	16.6
1998	25.4	26.6	13.7	112.0	28.8	154.5	6.0	6.1	3.4	12.5	W	15.8
1999	25.0	26.0	13.4	117.4	24.9	155.8	5.9	6.0	3.1	12.2	-	15.3
2000	26.0	27.1	12.8	125.7	23.9	162.4	4.9	5.0	2.3	10.8	-	13.1
2001	26.6	27.4	12.0	128.5	24.0	164.5	4.6	4.7	1.9	10.2	-	12.0
2002	27.2	28.0	11.3	127.9	31.0	170.2	4.7	4.8	1.6	10.4	-	11.9
2003	27.5	28.3	10.3	131.1	32.4	173.8	4.3	4.4	1.2	10.0	-	11.2
2004	26.5	27.3	9.7	136.7	36.1	182.5	3.5	3.6	0.9	9.8	-	10.8
2005	27.4	28.3	9.0	140.1	36.4	185.5	3.1	3.2	0.7	10.8	-	11.5
2006	28.9	29.8	7.3	143.7	37.4	188.4	2.9	2.9	0.5	9.3	-	9.7
2007	29.6	30.2	7.4	150.3	43.0	200.7	2.6	2.6	0.5	10.3	-	10.8
2008	28.9	29.8	7.1	144.5	39.5	191.1	2.1	2.2	0.4	9.9	-	10.3
2009	26.5	27.8	6.6	147.0	35.9	189.5	1.9	1.9	0.3	9.1	-	9.4
2010	24.9	26.2	5.9	147.6	37.1	190.7	1.7	1.7	0.2	8.7	-	8.9
2011	21.3	22.4	5.4	147.3	26.3	179.0	1.3	1.3	0.1	7.4	-	7.5
2012	14.4	15.7	5.0	149.0	21.7	175.8	0.9	0.9	0.1	7.2	-	7.4
2013	11.6	13.0	6.2	149.9	18.8	174.9	0.7	0.7	0.1	5.7	-	5.8
2014	11.1	12.5	4.3	154.9	16.8	176.0	0.6	0.6	0.1	2.1	-	2.3
2015	14.0	14.3	3.9	160.7	16.8	181.4	0.8	0.8	0.1	1.9	-	2.0
2016	14.1	14.3	4.1	163.4	15.8	183.3	0.9	0.9	0.1	1.7	-	1.8
2017	13.3	13.5	3.9	165.5	13.0	182.4	0.8	0.8	0.1	1.5	-	1.6
<b>2018</b>												
January	12.2	12.4	3.5	153.8	13.7	171.0	0.7	0.7	0.1	1.2	-	1.3
February	12.8	13.0	3.6	159.4	15.6	178.6	0.7	0.7	0.1	1.2	-	1.3
March	13.0	13.2	3.7	165.6	17.0	186.2	0.8	0.8	0.1	1.3	-	1.4
April	12.8	13.0	3.6	165.1	17.8	186.4	0.7	0.8	0.1	1.3	-	1.4
May	12.9	13.2	3.5	172.6	18.7	194.9	0.7	0.8	0.1	1.4	-	1.5
June	13.4	13.7	3.6	174.3	17.4	195.4	0.8	0.8	0.1	1.4	-	1.5
July	13.0	13.2	3.7	171.6	14.7	189.9	0.7	0.8	0.1	1.4	-	1.5
August	13.5	13.8	3.7	174.3	12.3	190.3	0.8	0.8	0.1	1.4	-	1.5
September	12.9	13.2	3.5	164.7	18.0	186.2	0.7	0.8	0.1	1.3	-	1.4
October	13.2	13.5	3.5	170.0	13.7	187.1	0.7	0.7	0.1	1.2	-	1.3
November	13.4	13.6	3.4	167.7	12.9	184.0	0.7	0.8	0.1	1.2	-	1.3
December	12.9	13.2	3.4	162.8	10.8	177.0	0.7	0.7	0.1	1.2	-	1.2
2018	13.0	13.3	3.5	166.9	15.2	185.6	0.7	0.8	0.1	1.3	-	1.4
<b>2019</b>												
January	12.4	12.7	3.2	155.9	14.8	173.9	0.7	0.7	0.1	1.1	-	1.2
February	12.6	12.9	3.3	159.1	13.0	175.3	0.7	0.7	0.1	1.1	-	1.2
March	13.0	13.3	3.5	166.0	12.3	181.9	0.7	0.7	0.1	1.2	-	1.2
April	13.0	13.3	3.5	169.9	12.3	185.7	0.7	0.7	0.1	1.2	-	1.3
May	13.4	13.7	3.5	173.2	11.2	187.9	0.7	0.8	0.1	1.4	-	1.4
June	13.3	13.6	3.5	173.5	8.0	185.0	0.7	0.8	0.1	1.3	-	1.4
July	13.3	13.6	3.6	175.5	7.7	186.8	0.7	0.8	0.0	1.4	-	1.4
August	13.9	14.2	3.6	177.6	8.6	189.8	0.8	0.8	0.0	1.3	-	1.4
September	13.0	13.3	3.4	168.5	9.2	181.0	0.7	0.7	0.0	1.2	-	1.2
October	13.2	13.6	3.4	172.7	9.7	185.9	0.7	0.7	0.0	1.1	-	1.2

See footnotes at end of table.

**Table 9. U.S. refiner conventional motor gasoline volumes by grade and sales type (cont.)**

million gallons per day

Year month	Premium						All grades					
	Sales to end users		Sales for resale				Sales to end users		Sales for resale			
	Through retail outlets	Total[a]	DTW	Rack	Bulk	Total	Through retail outlets	Total[a]	DTW	Rack	Bulk	Total
1994	8.5	8.9	16.5	28.0	2.8	47.2	45.8	47.9	62.7	156.0	25.8	244.5
1995	6.2	6.4	7.7	25.1	2.9	35.6	36.2	38.0	32.1	143.8	28.9	204.8
1996	4.9	5.1	5.8	22.5	2.5	30.8	34.7	36.5	28.1	143.8	29.6	201.5
1997	4.8	5.0	5.1	21.9	2.5	29.5	35.4	37.2	25.4	145.6	28.9	199.8
1998	5.5	5.7	4.7	W	2.7	31.9	36.9	38.5	21.8	148.9	31.5	202.2
1999	5.0	5.2	4.3	24.1	3.8	32.2	35.9	37.2	20.8	153.7	28.7	203.3
2000	3.7	3.9	3.1	18.6	2.8	24.5	34.7	35.9	18.2	155.1	26.7	200.0
2001	3.7	3.8	2.8	18.7	2.7	24.1	35.0	36.0	16.7	157.4	26.7	200.7
2002	3.8	4.0	2.6	19.1	3.0	24.7	35.8	36.8	15.5	157.4	34.0	206.9
2003	3.4	3.5	2.1	17.5	2.4	21.9	35.1	36.3	13.6	158.6	34.8	207.0
2004	2.6	2.8	1.6	15.8	1.7	19.2	32.6	33.7	12.3	162.3	37.8	212.4
2005	2.3	2.4	1.4	14.4	1.9	17.7	32.8	33.8	11.0	165.4	38.2	214.6
2006	2.1	2.2	1.1	13.9	1.7	16.6	33.9	35.0	8.8	166.8	39.1	214.7
2007	2.1	2.2	1.1	14.4	2.0	17.4	34.3	35.0	9.0	175.0	44.9	228.9
2008	1.8	1.9	0.9	11.7	1.5	14.2	32.9	33.9	8.4	166.2	41.0	215.6
2009	1.7	1.8	0.9	12.9	1.8	15.6	30.0	31.5	7.8	169.0	37.7	214.5
2010	1.5	1.6	0.8	13.5	1.7	15.9	28.2	29.5	6.9	169.8	38.8	215.5
2011	1.2	1.3	0.7	12.6	1.8	15.1	23.8	25.1	6.2	167.3	28.1	201.6
2012	1.0	1.1	0.7	13.2	2.4	16.2	16.3	17.7	5.8	169.5	24.1	199.4
2013	0.8	0.9	0.8	14.0	2.4	17.2	13.1	14.5	7.1	169.6	21.2	197.9
2014	0.7	0.8	0.7	15.1	2.1	17.9	12.5	14.0	5.1	172.1	18.9	196.2
2015	1.1	1.1	0.7	16.8	1.8	19.4	15.9	16.2	4.8	179.4	18.6	202.8
2016	1.1	1.2	0.8	17.7	2.1	20.6	16.1	16.4	5.0	182.8	17.9	205.7
2017	1.0	1.0	0.8	17.8	1.5	20.0	15.1	15.3	4.8	184.7	14.5	204.0
2018												
January	0.9	0.9	0.7	15.9	1.7	18.3	13.8	14.1	4.3	170.9	15.4	190.6
February	0.9	0.9	0.7	16.5	1.6	18.8	14.4	14.7	4.4	177.1	17.2	198.8
March	1.0	1.0	0.8	17.6	1.3	19.7	14.7	15.0	4.5	184.4	18.3	207.3
April	0.9	1.0	0.7	17.5	1.8	20.1	14.5	14.7	4.4	184.0	19.6	208.0
May	1.0	1.0	0.7	19.0	1.6	21.4	14.6	14.9	4.4	193.0	20.4	217.8
June	1.0	1.0	0.8	18.5	2.5	21.8	15.1	15.4	4.4	194.3	19.9	218.6
July	1.0	1.0	0.8	18.9	1.9	21.7	14.7	15.0	4.5	191.9	16.6	213.1
August	1.0	1.0	0.8	19.1	1.5	21.4	15.3	15.6	4.5	194.8	13.9	213.2
September	1.0	1.0	0.7	17.8	1.5	20.0	14.6	14.9	4.3	183.8	19.5	207.5
October	0.9	1.0	0.7	17.6	1.5	19.8	14.9	15.2	4.3	188.9	15.1	208.3
November	0.9	1.0	0.7	17.4	1.4	19.5	15.1	15.4	4.2	186.3	14.3	204.8
December	0.9	1.0	0.7	17.1	1.5	19.4	14.6	14.9	4.2	181.1	12.3	197.7
2018	1.0	1.0	0.7	17.8	1.7	20.2	14.7	15.0	4.4	185.9	16.9	207.2
2019												
January	0.9	0.9	0.7	16.4	2.0	19.0	14.0	14.3	3.9	173.4	16.8	194.1
February	0.9	1.0	0.7	16.7	1.8	19.2	14.2	14.5	4.0	176.8	14.8	195.7
March	1.0	1.0	0.7	17.5	1.1	19.3	14.7	15.0	4.3	184.7	13.4	202.4
April	1.0	1.0	0.7	17.9	1.5	20.1	14.7	15.0	4.3	189.1	13.7	207.1
May	1.0	1.0	0.7	18.7	1.3	20.8	15.1	15.4	4.3	193.3	12.5	210.1
June	1.0	1.1	0.8	19.1	1.4	21.2	15.1	15.5	4.3	194.0	9.3	207.6
July	1.0	1.1	0.8	19.9	1.2	21.9	15.1	15.4	4.4	196.8	8.9	210.1
August	1.1	1.1	0.8	20.0	1.3	22.2	15.8	16.2	4.5	198.9	9.9	213.4
September	1.0	1.1	0.7	19.0	1.2	20.9	14.8	R15.1	4.2	188.7	10.3	203.2
October	1.0	1.0	0.7	18.8	1.3	20.8	15.0	15.3	4.2	192.7	11.0	207.9

NA = Not available.

- = No data reported.

W = Withheld to avoid disclosure of individual company data.

R = Revised data.

[a] Includes sales through retail outlets as well as all direct sales to end users that were not made through company-operated retail outlets, e.g., sales to agricultural customers, commercial sales, and industrial sales.

Notes: - Beginning January 2007, oxygenated gasoline is included in conventional gasoline. Sales to end users Year month Sales for resale - Values shown for the current month are preliminary. Values shown for previous months are revised. Data through 2018 are final. Totals may not equal the sum of the components due to rounding. - The 4th quarter of 1993 was a transitional period between the predecessor EIA-782 survey system and the revised EIA-782 survey system. The revised survey system contains additional product and sales categories, which may not be consistent with categories derived from the predecessor survey system. Beginning January 1994 all data are from the revised survey system and are consistent.

Sources: U.S. Energy Information Administration Form EIA-782A, Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report.

**Table 10. U.S. refiner reformulated motor gasoline prices by grade and sales type**

dollars per gallon excluding taxes

Year month	Regular						Midgrade					
	Sales to end users		Sales for resale				Sales to end users		Sales for resale			
	Through retail outlets	Average[a]	DTW	Rack	Bulk	Average	Through retail outlets	Average[a]	DTW	Rack	Bulk	Average
1994	0.764	0.758	0.720	0.569	0.543	0.638	0.879	0.873	0.770	0.628	W	0.728
1995	0.749	0.744	0.707	0.605	0.573	0.650	0.836	0.833	0.753	0.651	-	0.723
1996	0.834	0.830	0.788	0.698	0.677	0.738	0.924	0.921	0.837	0.741	W	0.809
1997	0.830	0.828	0.787	0.682	0.668	0.731	0.928	0.925	0.840	0.725	W	0.807
1998	0.668	0.665	0.616	0.509	0.484	0.557	0.769	0.767	0.673	0.553	W	0.638
1999	0.804	0.80	0.752	0.642	0.601	0.686	0.895	0.892	0.807	0.676	NA	0.767
2000	1.126	1.123	1.058	0.978	0.953	1.012	1.219	1.217	1.114	1.014	-	1.085
2001	1.059	1.056	1.001	0.893	0.856	0.938	1.166	1.163	1.061	0.942	-	1.027
2002	0.946	0.944	0.906	0.834	0.779	0.861	1.052	1.050	0.988	0.875	-	0.958
2003	1.196	1.192	1.168	1.006	0.962	1.069	1.293	1.290	1.224	1.047	-	1.165
2004	1.472	1.470	1.447	1.299	1.248	1.353	1.572	1.570	1.494	1.340	-	1.436
2005	1.850	1.848	1.787	1.682	1.619	1.711	1.945	1.944	1.834	1.726	-	1.789
2006	2.166	2.164	2.097	2.002	1.885	2.030	2.275	2.274	2.170	2.078	-	2.129
2007	2.362	2.360	2.288	2.186	2.175	2.221	2.490	2.489	2.368	2.256	-	2.316
2008	2.812	2.810	2.703	2.553	2.642	2.607	2.934	2.934	2.788	2.652	-	2.721
2009	1.927	1.925	1.878	1.770	1.782	1.806	2.066	2.066	1.981	1.855	-	1.914
2010	2.342	2.339	2.265	2.159	2.141	2.188	2.485	2.485	2.362	2.229	-	2.280
2011	3.089	3.085	2.973	2.874	2.831	2.895	3.233	3.233	3.062	2.954	-	2.990
2012	3.219	3.212	3.111	2.956	2.947	2.988	3.372	3.372	3.213	3.047	-	3.098
2013	3.110	3.101	2.948	2.830	2.869	2.856	3.268	3.268	3.066	2.939	-	2.979
2014	2.946	2.938	2.784	2.614	2.663	2.647	3.111	3.111	2.920	2.746	-	2.788
2015	2.159	2.158	2.174	1.728	1.775	1.807	2.404	2.404	2.321	1.892	-	1.989
2016	1.808	1.807	1.762	1.433	1.462	1.490	2.047	2.047	1.913	1.579	-	1.655
2017	2.048	2.047	2.009	1.672	1.717	1.729	2.303	2.303	2.164	1.815	-	1.891
2018												
January	2.183	2.182	2.116	1.829	1.907	1.878	2.437	2.437	2.305	1.973	-	2.049
February	2.247	2.246	2.211	1.795	1.888	1.866	2.534	2.534	2.389	1.954	-	2.053
March	2.284	2.282	2.300	1.892	1.948	1.961	2.572	2.572	2.505	2.059	-	2.160
April	2.416	2.415	2.458	2.060	2.132	2.129	2.684	2.684	2.626	2.217	-	2.313
May	2.591	2.590	2.591	2.227	2.246	2.287	2.849	2.849	2.734	2.366	-	2.447
June	2.576	2.575	2.544	2.141	2.174	2.208	2.840	2.840	2.653	2.271	-	2.354
July	2.522	2.522	2.489	2.141	2.160	2.199	2.781	2.781	2.641	2.272	-	2.355
August	2.500	2.499	2.446	2.093	2.127	2.153	2.764	2.764	2.600	2.220	-	2.301
September	2.512	2.511	2.532	2.106	2.171	2.179	2.791	2.791	2.708	2.259	-	2.360
October	2.569	2.568	2.652	2.048	2.167	2.152	2.873	2.873	2.799	2.233	-	2.361
November	2.375	2.373	2.373	1.682	1.813	1.799	2.713	2.713	2.462	1.857	-	1.997
December	2.164	2.163	2.140	1.504	1.548	1.610	2.496	2.496	2.265	1.695	-	1.825
2018	2.417	2.416	2.409	1.964	2.029	2.039	2.699	2.699	2.562	2.126	-	2.224
2019												
January	2.038	2.036	2.049	1.494	1.527	1.584	2.355	2.355	2.207	1.689	-	1.807
February	2.088	2.086	2.109	1.639	1.684	1.718	2.380	2.380	2.326	1.841	-	1.956
March	2.258	2.256	2.280	1.902	1.918	1.965	2.538	2.538	2.479	2.083	-	2.173
April	2.710	2.709	2.778	2.200	2.336	2.300	2.979	2.979	2.988	2.414	-	2.547
May	2.779	2.771	2.796	2.156	2.187	2.260	3.059	3.059	2.964	2.330	-	2.462
June	2.593	2.586	2.538	1.927	1.886	2.025	2.871	2.871	2.716	2.084	-	2.219
July	2.538	2.532	2.448	1.998	1.992	2.070	2.807	2.807	2.658	2.148	-	2.249
August	2.427	2.421	2.342	1.809	1.814	1.896	2.732	2.732	2.534	1.986	-	2.096
September	2.400	2.393	2.489	1.845	R1.979	R1.954	2.748	2.748	2.723	2.091	-	2.223
October	2.543	2.534	2.789	1.870	2.122	2.026	2.955	2.955	3.023	2.145	-	2.344

See footnotes at end of table.

**Table 10. U.S. refiner reformulated motor gasoline prices by grade and sales type (cont.)**

dollars per gallon excluding taxes

Year month	Premium						All grades					
	Sales to end users		Sales for resale				Sales to end users		Sales for resale			
	Through retail outlets	Average[a]	DTW	Rack	Bulk	Average	Through retail outlets	Average[a]	DTW	Rack	Bulk	Average
1994	0.966	0.958	0.861	0.677	0.558	0.777	0.831	0.824	0.771	0.599	0.547	0.687
1995	0.929	0.924	0.841	0.704	0.616	0.785	0.808	0.803	0.756	0.632	0.582	0.696
1996	1.002	0.998	0.910	0.791	0.709	0.859	0.882	0.878	0.828	0.720	0.682	0.774
1997	1.005	1.003	0.910	0.775	0.686	0.853	0.876	0.874	0.825	0.703	0.671	0.767
1998	0.847	0.845	0.741	W	0.516	0.680	0.717	0.714	0.657	0.529	0.489	0.593
1999	0.966	0.963	0.870	0.717	0.639	0.798	0.845	0.841	0.788	0.658	0.608	0.718
2000	1.297	1.291	1.189	1.064	0.972	1.125	1.164	1.160	1.092	0.993	0.957	1.039
2001	1.239	1.234	1.133	0.983	0.890	1.065	1.10	1.096	1.034	0.909	0.859	0.966
2002	1.124	1.119	1.046	0.930	0.832	0.991	0.987	0.985	0.944	0.851	0.785	0.891
2003	1.366	1.362	1.292	1.099	1.028	1.201	1.233	1.229	1.197	1.021	0.969	1.097
2004	1.655	1.652	1.574	1.399	1.348	1.489	1.510	1.507	1.474	1.313	1.257	1.378
2005	2.031	2.029	1.912	1.791	1.766	1.847	1.883	1.881	1.812	1.697	1.635	1.733
2006	2.369	2.367	2.239	2.149	2.004	2.183	2.202	2.20	2.125	2.020	1.906	2.055
2007	2.601	2.599	2.468	2.367	2.346	2.415	2.404	2.402	2.322	2.208	2.192	2.250
2008	3.003	3.001	2.845	2.70	2.826	2.772	2.845	2.843	2.728	2.569	2.659	2.629
2009	2.177	2.174	2.067	1.968	1.899	2.011	1.971	1.969	1.913	1.793	1.791	1.834
2010	2.587	2.584	2.446	2.343	2.247	2.380	2.386	2.383	2.299	2.182	2.150	2.215
2011	3.334	3.331	3.145	3.067	2.940	3.090	3.132	3.128	3.003	2.898	2.837	2.921
2012	3.478	3.473	3.288	3.201	3.175	3.225	3.265	3.259	3.143	2.986	2.961	3.020
2013	3.371	3.365	3.132	3.103	3.071	3.110	3.160	3.152	2.982	2.866	2.882	2.892
2014	3.206	3.202	2.949	2.867	2.642	2.886	3.005	2.996	2.818	2.648	2.661	2.682
2015	2.516	2.516	2.357	2.066	2.145	2.144	2.242	2.240	2.214	1.777	1.799	1.860
2016	2.201	2.201	1.986	1.755	1.710	1.816	1.900	1.899	1.814	1.481	1.484	1.543
2017	2.468	2.468	2.243	1.974	1.960	2.043	2.143	2.142	2.064	1.717	1.747	1.781
2018												
January	2.602	2.602	2.368	2.106	2.170	2.175	2.275	2.274	2.175	1.869	1.936	1.926
February	2.703	2.703	2.458	2.088	2.146	2.185	2.348	2.347	2.269	1.838	1.915	1.917
March	2.738	2.738	2.566	2.185	2.224	2.283	2.386	2.385	2.361	1.935	1.975	2.013
April	2.855	2.855	2.695	2.350	2.393	2.442	2.511	2.510	2.513	2.102	2.167	2.180
May	3.008	3.008	2.819	2.500	2.549	2.582	2.683	2.682	2.643	2.267	2.275	2.335
June	3.000	3.000	2.756	2.412	2.404	2.500	2.669	2.668	2.593	2.181	2.198	2.254
July	2.942	2.942	2.720	2.426	2.412	2.501	2.615	2.615	2.542	2.183	2.184	2.247
August	2.925	2.925	2.685	2.362	2.329	2.445	2.594	2.593	2.501	2.133	2.149	2.200
September	2.953	2.953	2.779	2.393	2.411	2.494	2.611	2.610	2.589	2.148	2.204	2.230
October	3.051	3.051	2.882	2.352	2.445	2.491	2.673	2.672	2.705	2.093	2.213	2.206
November	2.881	2.881	2.573	1.980	2.033	2.133	2.489	2.487	2.419	1.726	1.840	1.853
December	2.664	2.664	2.356	1.798	1.810	1.942	2.279	2.278	2.191	1.548	1.584	1.665
2018	2.864	2.864	2.641	2.249	2.277	2.351	2.516	2.515	2.463	2.006	2.058	2.090
2019												
January	2.532	2.532	2.280	1.780	1.801	1.908	2.151	2.149	2.103	1.536	1.562	1.637
February	2.550	2.550	2.371	1.930	1.927	2.042	2.194	2.192	2.171	1.683	1.719	1.772
March	2.706	2.706	2.537	2.186	2.151	2.274	2.360	2.359	2.339	1.944	1.950	2.016
April	3.165	3.165	3.028	2.511	2.722	2.646	2.810	2.808	2.835	2.246	2.385	2.356
May	3.238	3.229	3.027	2.481	2.587	2.617	2.878	2.871	2.848	2.204	2.222	2.317
June	3.042	3.034	2.782	2.249	2.194	2.379	2.692	2.685	2.594	1.975	1.923	2.082
July	2.977	2.971	2.720	2.329	2.297	2.424	2.635	2.630	2.510	2.047	2.036	2.128
August	2.903	2.895	2.611	2.146	2.175	2.261	2.535	2.529	2.404	1.860	1.865	1.956
September	2.923	2.914	2.775	2.211	R2.354	2.352	2.523	2.516	2.555	1.901	R2.031	R2.020
October	3.140	3.128	3.058	2.248	2.453	2.445	2.680	2.671	2.849	1.927	2.185	2.095

NA = Not available.

- = No data reported.

W = Withheld to avoid disclosure of individual company data.

[a] Includes sales through retail outlets as well as all direct sales to end users that were not made through company-operated retail outlets, e.g., sales to agricultural customers, commercial sales, and industrial sales.

Notes: - Values shown for the current month are preliminary. Values shown for previous months may be revised. Data through 2018 are final.

Sources: U.S. Energy Information Administration Form EIA-782A, *Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report*.



**Table 11. U.S. refiner reformulated motor gasoline volumes by grade and sales type**

million gallons per day

Year month	Regular						Midgrade					
	Sales to end users		Sales for resale				Sales to end users		Sales for resale			
	Through retail outlets	Total[a]	DTW	Rack	Bulk	Total	Through retail outlets	Total[a]	DTW	Rack	Bulk	Total
1994	0.6	0.6	2.1	1.6	0.6	4.3	0.2	0.2	0.7	0.3	W	1.0
1995	7.8	8.1	20.7	W	W	43.3	3.0	3.1	7.4	3.1	-	10.5
1996	10.7	11.1	26.1	20.5	8.0	54.6	3.3	3.4	7.9	3.3	W	11.3
1997	13.4	13.8	28.0	21.7	7.6	57.3	3.6	3.7	7.9	3.1	W	11.0
1998	14.3	14.5	28.6	23.0	8.3	59.9	3.7	3.8	7.4	3.1	W	10.5
1999	14.5	14.8	29.8	26.1	9.6	65.5	3.6	3.7	7.0	3.1	NA	10.2
2000	15.5	15.9	32.1	29.1	8.5	69.6	3.3	3.4	6.2	2.6	-	8.8
2001	16.3	16.7	32.7	30.0	9.0	71.7	3.3	3.3	5.7	2.2	-	7.9
2002	16.9	17.2	33.1	30.4	8.2	71.7	3.3	3.3	5.6	2.1	-	7.6
2003	17.7	18.0	30.9	35.1	7.6	73.6	3.1	3.1	4.1	2.0	-	6.1
2004	16.2	16.5	29.5	39.7	6.1	75.3	2.6	2.6	3.3	2.0	-	5.2
2005	17.1	17.4	27.5	43.5	9.5	80.4	2.6	2.6	2.5	1.8	-	4.2
2006	17.7	18.0	26.8	45.7	3.4	75.9	2.5	2.5	1.9	1.5	-	3.4
2007	17.4	17.6	26.7	45.4	3.8	75.9	2.4	2.4	1.6	1.3	-	2.9
2008	16.6	16.9	25.4	48.1	4.2	77.7	2.0	2.0	1.1	1.1	-	2.2
2009	14.0	14.3	25.8	49.8	3.4	79.0	1.7	1.7	1.0	1.1	-	2.1
2010	11.7	11.9	23.1	54.5	4.2	81.9	1.3	1.3	0.7	1.2	-	1.9
2011	10.8	11.1	19.5	57.6	4.2	81.3	1.2	1.2	0.5	1.1	-	1.6
2012	9.2	9.5	17.4	60.3	4.0	81.7	1.0	1.0	0.5	1.0	-	1.5
2013	7.6	7.9	16.5	59.3	3.5	79.3	0.9	0.9	0.4	1.0	-	1.4
2014	5.5	5.7	14.6	62.0	2.1	78.8	0.7	0.7	0.3	0.9	-	1.2
2015	6.8	6.8	14.1	63.5	2.8	80.3	0.9	0.9	0.2	0.8	-	1.1
2016	6.7	6.7	13.9	64.6	3.1	81.6	0.9	0.9	0.2	0.8	-	1.0
2017	6.7	6.8	13.4	65.0	2.6	81.0	0.9	0.9	0.2	0.6	-	0.8
2018												
January	6.3	6.3	12.5	62.1	2.7	77.3	0.8	0.8	0.2	0.5	-	0.7
February	6.5	6.5	13.3	64.9	3.3	81.4	0.9	0.9	0.2	0.5	-	0.7
March	6.8	6.8	13.7	65.8	3.4	82.8	0.9	0.9	0.2	0.5	-	0.7
April	6.8	6.8	13.9	65.9	2.8	82.6	0.9	0.9	0.2	0.5	-	0.7
May	6.9	7.0	13.8	67.6	2.8	84.1	0.9	0.9	0.2	0.6	-	0.7
June	7.2	7.2	13.8	67.8	3.0	84.5	0.9	0.9	0.2	0.6	-	0.7
July	7.1	7.1	13.6	65.6	3.6	82.8	0.9	0.9	0.2	0.6	-	0.7
August	7.2	7.2	14.0	67.5	3.2	84.7	1.0	1.0	0.2	0.6	-	0.7
September	7.0	7.0	13.6	65.3	2.7	81.7	0.9	0.9	0.1	0.5	-	0.7
October	7.1	7.1	13.5	66.1	2.3	81.9	0.9	0.9	0.1	0.5	-	0.6
November	6.9	6.9	13.2	65.5	2.3	81.0	0.9	0.9	0.1	0.5	-	0.6
December	6.9	6.9	13.2	64.4	2.7	80.2	0.9	0.9	0.1	0.4	-	0.6
2018	6.9	6.9	13.5	65.7	2.9	82.1	0.9	0.9	0.2	0.5	-	0.7
2019												
January	6.5	6.5	12.5	62.3	3.0	77.7	0.9	0.9	0.1	0.4	-	0.5
February	6.6	6.6	13.2	63.8	2.9	79.8	0.9	0.9	0.1	0.4	-	0.5
March	6.8	6.9	13.2	63.8	2.8	79.8	0.9	0.9	0.1	0.4	-	0.5
April	6.7	6.8	13.6	65.7	2.5	81.8	0.9	0.9	0.1	0.4	-	0.6
May	6.8	6.9	13.4	66.5	3.1	83.0	0.9	0.9	0.1	0.5	-	0.6
June	7.0	7.0	13.5	67.2	2.9	83.6	0.9	0.9	0.1	0.5	-	0.6
July	6.9	6.9	13.2	65.8	2.3	81.3	0.9	0.9	0.1	0.5	-	0.6
August	7.1	7.2	13.7	68.3	2.5	84.4	0.9	0.9	0.1	0.5	-	0.6
September	6.4	6.5	13.4	66.5	R2.4	R82.3	0.9	0.9	0.1	0.5	-	0.6
October	6.4	6.4	13.3	66.2	1.6	81.1	0.8	0.8	0.1	0.4	-	0.5

See footnotes at end of table.

**Table 11. U.S. refiner reformulated motor gasoline volumes by grade and sales type (cont.)**

million gallons per day

Year month	Premium						All grades					
	Sales to end users		Sales for resale				Sales to end users		Sales for resale			
	Through retail outlets	Total[a]	DTW	Rack	Bulk	Total	Through retail outlets	Total[a]	DTW	Rack	Bulk	Total
1994	0.2	0.2	1.2	0.5	0.2	1.9	1.0	1.0	4.0	2.4	0.8	7.2
1995	3.1	3.2	12.0	W	W	18.9	14.0	14.4	40.1	25.9	6.6	72.6
1996	3.1	3.2	11.7	5.3	1.5	18.6	17.0	17.6	45.7	29.2	9.6	84.5
1997	3.4	3.5	11.5	5.3	1.5	18.2	20.3	21.0	47.4	30.1	9.1	86.6
1998	3.8	3.9	12.2	W	1.6	19.8	21.8	22.2	48.2	32.0	9.9	90.1
1999	3.4	3.5	11.4	6.3	1.9	19.6	21.5	22.0	48.2	35.6	11.5	95.2
2000	3.0	3.1	9.6	5.4	1.9	16.8	21.9	22.4	47.9	37.0	10.4	95.2
2001	3.2	3.2	9.2	5.4	1.1	15.7	22.7	23.3	47.7	37.6	10.0	95.3
2002	3.4	3.5	9.5	5.6	1.1	16.3	23.6	24.1	48.2	38.0	9.3	95.6
2003	3.5	3.6	8.5	5.9	1.0	15.3	24.2	24.7	43.5	43.0	8.6	95.1
2004	3.1	3.1	7.4	6.0	0.6	14.1	21.9	22.3	40.2	47.7	6.7	94.6
2005	2.8	2.8	6.5	6.0	1.2	13.6	22.6	22.9	36.4	51.2	10.6	98.3
2006	2.7	2.7	5.9	5.9	0.7	12.5	22.9	23.2	34.6	53.1	4.1	91.8
2007	2.6	2.7	5.8	5.9	0.4	12.1	22.4	22.7	34.0	52.6	4.3	90.9
2008	2.4	2.4	5.0	5.4	0.4	10.8	21.0	21.3	31.5	54.6	4.6	90.8
2009	2.3	2.3	5.3	6.1	0.3	11.8	17.9	18.3	32.1	57.1	3.7	92.9
2010	1.9	1.9	4.9	7.4	0.4	12.7	14.9	15.2	28.8	63.1	4.7	96.5
2011	1.7	1.7	3.9	7.7	0.2	11.8	13.7	13.9	23.9	66.4	4.4	94.7
2012	1.5	1.5	3.5	8.4	0.3	12.1	11.7	12.0	21.4	69.7	4.3	95.4
2013	1.4	1.4	3.5	8.7	0.2	12.4	9.9	10.2	20.5	69.0	3.7	93.1
2014	1.2	1.2	3.5	9.4	0.2	13.0	7.5	7.7	18.4	72.3	2.3	93.0
2015	1.5	1.5	3.8	10.4	0.2	14.4	9.2	9.2	18.1	74.7	3.0	95.8
2016	1.6	1.6	4.1	11.1	0.3	15.5	9.2	9.2	18.2	76.5	3.4	98.1
2017	1.5	1.5	4.1	11.2	0.4	15.7	9.2	9.2	17.6	76.9	3.0	97.5
2018												
January	1.3	1.3	3.8	10.4	0.3	14.5	8.4	8.5	16.4	73.1	3.1	92.5
February	1.4	1.4	3.9	10.8	0.4	15.2	8.7	8.7	17.4	76.3	3.6	97.3
March	1.5	1.5	3.9	11.2	0.4	15.5	9.2	9.2	17.8	77.5	3.8	99.0
April	1.4	1.4	4.1	11.1	0.4	15.7	9.1	9.1	18.2	77.6	3.2	99.0
May	1.5	1.5	4.0	11.5	0.3	15.8	9.3	9.4	17.9	79.6	3.1	100.6
June	1.5	1.5	4.0	11.4	0.4	15.7	9.6	9.7	17.9	79.7	3.3	100.9
July	1.5	1.5	4.0	11.1	0.4	15.5	9.5	9.5	17.8	77.2	4.0	99.0
August	1.6	1.6	4.1	11.4	0.4	15.9	9.7	9.7	18.2	79.4	3.6	101.3
September	1.5	1.5	4.0	11.1	0.4	15.6	9.4	9.5	17.8	76.9	3.1	97.9
October	1.5	1.5	3.9	11.0	0.5	15.4	9.5	9.5	17.6	77.5	2.7	97.9
November	1.5	1.5	3.9	11.1	0.3	15.3	9.2	9.3	17.3	77.1	2.6	97.0
December	1.5	1.5	4.0	11.1	0.4	15.5	9.3	9.3	17.3	75.9	3.1	96.3
2018	1.5	1.5	4.0	11.1	0.4	15.5	9.3	9.3	17.6	77.3	3.3	98.2
2019												
January	1.5	1.5	3.8	10.6	0.4	14.8	8.8	8.9	16.4	73.3	3.4	93.0
February	1.5	1.5	3.9	11.1	0.5	15.5	9.0	9.0	17.2	75.3	3.4	95.9
March	1.6	1.6	3.9	11.0	0.4	15.3	9.3	9.3	17.2	75.2	3.2	95.6
April	1.4	1.4	3.9	11.2	0.4	15.5	9.1	9.1	17.6	77.4	2.9	97.8
May	1.4	1.5	3.8	11.4	0.3	15.5	9.2	9.2	17.3	78.4	3.4	99.1
June	1.5	1.5	3.9	11.6	0.4	16.0	9.4	9.5	17.6	79.3	3.3	100.2
July	1.5	1.5	3.8	11.5	0.4	15.7	9.3	9.4	17.1	77.8	2.7	97.6
August	1.6	1.6	4.0	12.0	0.4	16.4	9.6	9.7	17.8	80.8	2.9	101.4
September	1.5	1.5	3.9	11.8	0.4	16.1	8.8	8.9	17.5	78.7	R2.8	R98.9
October	1.4	1.4	3.7	11.6	0.4	15.7	8.6	8.7	17.1	78.2	2.0	97.4

NA = Not available.

- = No data reported.

W = Withheld to avoid disclosure of individual company data.

[a] Includes sales through retail outlets as well as all direct sales to end users that were not made through company-operated retail outlets, e.g., sales to agricultural customers, commercial sales, and industrial sales.

Notes: - Values shown for the current month are preliminary. Values shown for previous months are revised. Data through 2018 are final. Totals may not equal the sum of the components due to rounding.

Sources: U.S. Energy Information Administration Form EIA-782A, Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report.

**Table 16. U.S. refiner residual fuel oil prices**

dollars per gallon excluding taxes

Year month	Sulfur less than or equal to 1%		Sulfur greater than 1%		Average	
	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale
1994	0.401	0.345	0.330	0.287	0.352	0.317
1995	0.436	0.383	0.377	0.338	0.392	0.363
1996	0.526	0.456	0.433	0.389	0.455	0.420
1997	0.488	0.415	0.403	0.366	0.423	0.387
1998	0.354	0.299	0.287	0.269	0.305	0.280
1999	0.405	0.382	0.362	0.329	0.374	0.354
2000	0.708	0.627	0.566	0.512	0.602	0.566
2001	0.642	0.523	0.492	0.428	0.531	0.476
2002	0.640	0.546	0.544	0.508	0.569	0.530
2003	0.804	0.728	0.651	0.588	0.698	0.661
2004	0.835	0.764	0.692	0.601	0.739	0.681
2005	1.168	1.115	0.974	0.842	1.048	0.971
2006	1.342	1.202	1.173	1.085	1.218	1.136
2007	1.436	1.406	1.350	1.314	1.374	1.350
2008	2.144	1.918	1.889	1.843	1.964	1.866
2009	1.413	1.337	1.306	1.344	1.341	1.342
2010	1.920	1.756	1.619	1.679	1.713	1.697
2011	2.736	2.389	2.257	2.316	2.401	2.336
2012	3.025	2.548	2.433	2.429	2.592	2.457
2013	2.883	2.363	2.353	2.249	2.482	2.278
2014	2.694	2.153	2.221	1.996	2.325	2.044
2015	1.529	0.971	1.227	0.999	1.285	0.996
2016	1.138	0.736	0.897	0.746	0.945	0.745
2017	W	1.112	1.237	1.117	1.287	1.116
<b>2018</b>						
January	W	1.301	1.476	1.311	1.507	1.310
February	W	1.221	1.415	1.325	1.490	1.319
March	W	1.227	1.386	1.306	1.452	1.302
April	W	1.311	1.438	1.349	1.504	1.348
May	W	1.462	1.615	1.501	1.667	1.500
June	W	1.487	1.643	1.558	1.731	1.553
July	W	1.543	1.709	1.583	1.767	1.581
August	W	1.499	1.680	1.552	1.764	1.549
September	W	1.520	1.696	1.561	1.761	1.560
October	W	1.620	1.816	1.703	1.875	1.700
November	W	1.360	1.731	1.562	1.827	1.556
December	W	1.252	1.467	1.295	1.608	1.293
2018	W	1.397	1.587	1.466	1.662	1.463
<b>2019</b>						
January	W	1.626	1.417	1.326	1.425	1.357
February	W	1.808	1.553	1.458	1.568	1.508
March	W	W	1.606	1.542	1.639	1.581
April	W	W	1.648	1.549	1.685	1.577
May	W	W	1.607	1.502	1.635	1.505
June	W	W	1.527	1.367	1.601	1.372
July	W	1.455	1.572	1.492	1.625	1.489
August	W	1.331	1.345	1.235	1.466	1.247
September	W	W	1.511	R1.325	1.560	1.337
October	W	1.535	1.393	1.188	1.543	1.263

NA = Not available.

R = Revised data.

Notes: - Values shown for the current month are preliminary. Values shown for previous months may be revised. Data through 2018 are final.

Sources: U.S. Energy Information Administration Form EIA-782A, Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report.

**Table 17. U.S. refiner residual fuel oil volumes**

million gallons per day

Year month	Sulfur less than or equal to 1%		Sulfur greater than 1%		Total	
	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale
1994	4.2	6.6	9.3	6.2	13.5	12.8
1995	2.9	7.7	8.7	5.9	11.6	13.6
1996	3.1	6.3	9.8	7.4	12.9	13.8
1997	3.2	4.8	10.3	6.7	13.4	11.5
1998	3.9	5.7	10.5	9.6	14.4	15.4
1999	3.9	5.3	10.0	6.2	13.9	11.5
2000	3.3	4.9	9.8	5.6	13.1	10.5
2001	3.8	5.2	11.0	5.1	14.8	10.3
2002	2.7	5.1	7.8	3.7	10.4	8.8
2003	3.3	3.5	7.4	3.2	10.7	6.7
2004	3.4	2.9	6.8	3.0	10.2	5.9
2005	4.0	2.2	6.4	2.5	10.4	4.7
2006	2.8	2.8	7.6	3.6	10.4	6.5
2007	3.1	3.2	7.8	5.0	10.9	8.2
2008	2.5	2.9	5.9	6.6	8.4	9.5
2009	2.8	2.9	5.7	6.9	8.5	9.8
2010	2.4	2.6	5.2	8.1	7.6	10.7
2011	1.9	3.4	4.5	8.8	6.4	12.2
2012	1.5	2.1	4.0	6.8	5.5	8.8
2013	1.3	2.3	3.9	6.7	5.2	9.0
2014	1.0	2.4	3.6	5.6	4.6	8.0
2015	0.8	0.9	3.3	7.1	4.0	8.1
2016	0.8	0.8	3.3	7.6	4.2	8.4
2017	W	0.5	W	6.6	4.0	7.1
2018						
January	W	0.4	W	8.5	3.7	8.9
February	W	0.4	W	7.2	3.6	7.7
March	W	0.4	W	7.0	3.6	7.4
April	W	0.3	W	6.7	3.5	7.0
May	W	0.4	W	8.0	3.2	8.4
June	W	0.6	W	7.4	3.0	8.1
July	W	0.5	W	6.8	3.5	7.3
August	W	0.5	W	7.1	3.2	7.6
September	W	0.2	W	7.6	3.6	7.8
October	W	0.2	W	7.0	3.8	7.3
November	W	0.2	W	6.5	3.4	6.7
December	W	0.5	W	6.8	3.5	7.3
2018	W	0.4	W	7.2	3.5	7.6
2019						
January	W	0.8	W	7.0	2.8	7.9
February	W	1.1	W	6.5	2.3	7.6
March	W	W	W	W	2.2	6.9
April	W	W	W	W	2.4	9.3
May	W	W	W	W	2.0	7.4
June	W	W	W	W	3.3	7.7
July	W	0.4	W	6.1	2.8	6.5
August	W	1.0	W	7.3	2.6	8.4
September	W	W	W	W	3.2	7.5
October	W	1.7	W	6.1	2.8	7.7

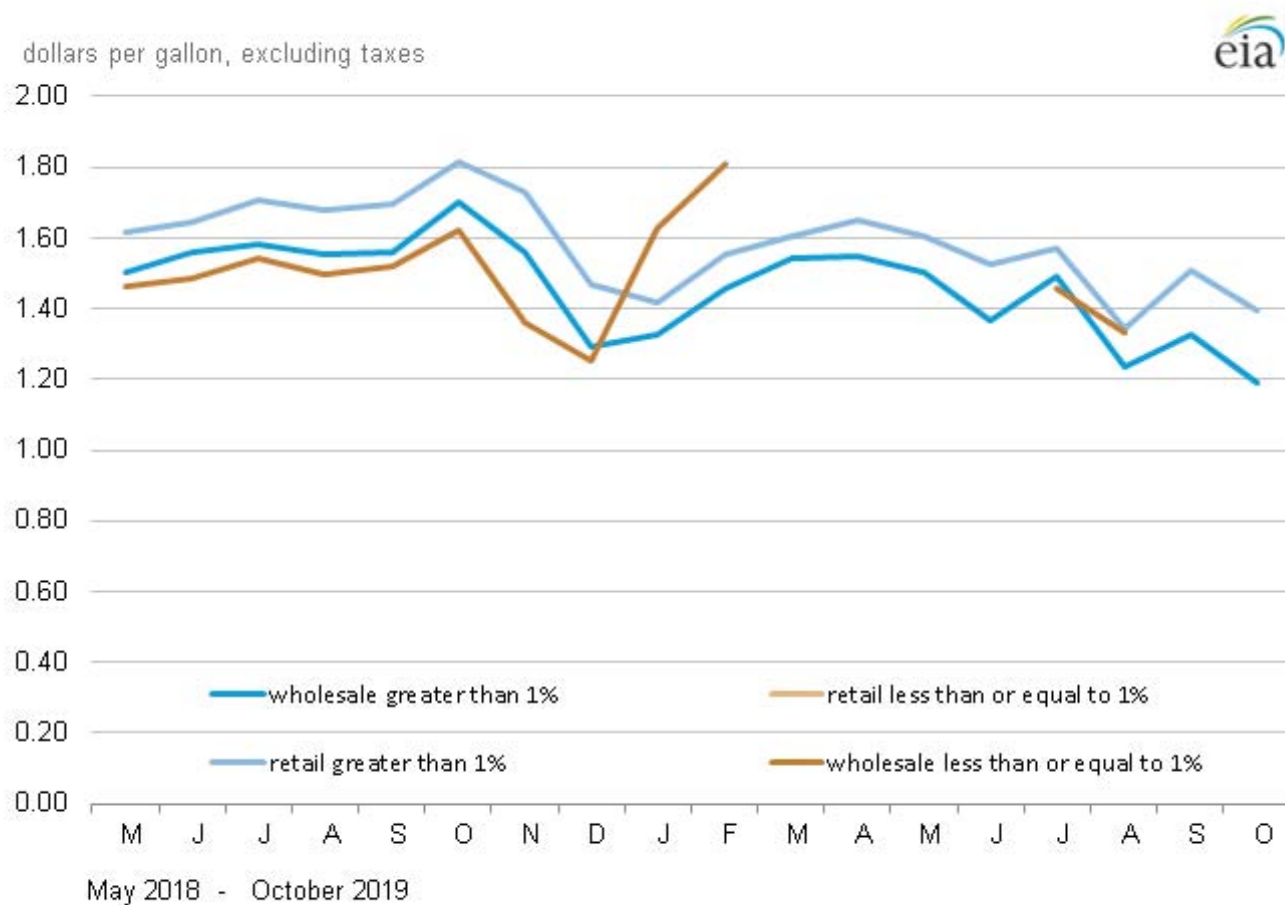
NA = Not available.

R = Revised data.

Notes: - Values shown for the current month are preliminary. Values shown for previous months are revised. Data through 2018 are final. Totals may not equal the sum of the components due to rounding.

Sources: U.S. Energy Information Administration Form EIA-782A, *Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report*.

Figure 7. U.S. Refiner residual fuel oil prices



Source: U.S. Energy Information Administration, Form EIA-782A, *Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report*.

# Crude Oil Prices

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**Table 18. Domestic crude oil first purchase prices**

dollars per barrel

Year month	U.S. Average		PAD District 1				PAD District 2						
	U.S. Average	Less AK North Slope	Average	NY	PA	WV	Average	IL	IN	KS	KY	MI	NE
1997	17.23	17.92	19.25	18.49	18.79	17.56	18.60	19.11	18.73	18.63	17.97	18.75	18.10
1998	10.87	11.51	13.21	13.66	13.67	11.95	12.29	12.78	12.49	12.19	11.67	12.39	11.50
1999	15.56	16.38	17.36	18.65	18.49	16.46	17.27	17.37	17.31	17.08	16.68	16.63	17.21
2000	26.72	27.48	28.12	28.78	28.80	27.12	28.49	28.14	27.91	28.16	26.47	28.12	27.97
2001	21.84	22.77	23.98	24.19	24.82	22.35	23.95	23.76	23.46	23.56	22.53	22.69	23.67
2002	22.51	23.33	23.94	24.28	24.86	22.55	24.05	23.84	23.43	23.61	22.49	23.68	23.62
2003	27.56	28.47	29.12	28.91	29.60	28.06	29.24	29.10	28.38	28.68	27.21	29.18	28.63
2004	36.77	37.63	39.08	39.40	39.48	38.38	39.40	38.74	38.18	39.18	36.82	39.14	38.42
2005	50.28	51.02	53.84	54.64	54.57	53.75	53.33	51.20	51.02	53.41	49.45	53.67	52.38
2006	59.69	60.22	63.99	63.51	64.02	63.07	60.48	59.70	59.31	60.74	58.33	60.89	57.77
2007	66.52	67.04	69.00	69.46	70.00	67.27	67.16	65.66	65.47	66.85	63.60	66.87	62.78
2008	94.04	94.72	96.60	W	96.76	95.07	92.51	93.48	91.92	92.08	90.87	95.75	87.99
2009	56.35	56.65	56.56	W	56.96	55.77	55.00	55.47	55.65	54.41	55.24	56.39	50.93
2010	74.71	75.04	71.74	W	69.80	70.74	72.45	73.18	72.82	72.43	70.63	74.91	69.65
2011	95.73	95.35	90.77	W	87.16	86.56	89.38	88.73	88.15	88.52	86.00	92.40	85.48
2012	94.52	94.11	91.19	W	88.41	87.16	86.29	88.74	88.62	87.85	87.02	90.91	84.95
2013	95.99	96.00	92.45	W	89.84	91.26	91.64	92.94	93.04	91.85	91.17	96.50	87.44
2014	87.39	87.45	82.20	W	80.07	82.46	85.01	87.66	87.88	86.80	86.61	89.46	82.82
2015	44.39	44.58	37.65	W	38.98	33.72	42.44	43.97	44.51	43.16	45.38	45.38	40.10
2016	38.29	38.64	34.88	W	38.50	31.11	37.62	38.85	38.97	37.87	39.95	43.07	36.22
2017	48.05	48.23	44.96	W	45.93	43.34	47.39	47.02	46.76	45.95	47.33	51.51	44.33
2018													
January	62.25	62.38	57.79	W	57.76	55.46	61.44	59.93	59.72	59.00	60.42	64.33	57.40
February	61.18	61.36	56.69	W	56.82	54.52	59.67	58.47	58.26	57.64	58.91	62.81	56.04
March	60.68	60.82	57.27	W	57.73	55.69	59.65	59.18	58.89	58.35	59.75	63.48	56.78
April	63.50	63.58	60.40	W	61.22	58.72	63.04	62.62	62.27	61.75	62.83	67.51	60.07
May	66.16	66.14	64.27	W	65.17	62.09	66.36	66.19	65.96	65.35	66.52	70.94	63.82
June	62.80	62.70	62.48	W	62.30	60.46	63.75	63.75	63.46	62.73	63.99	68.40	61.12
July	67.00	66.96	66.20	W	65.40	63.59	68.09	67.27	67.03	66.47	67.66	71.55	64.67
August	62.64	62.49	61.95	W	62.18	60.36	65.82	64.25	64.03	63.74	64.66	68.89	61.78
September	63.54	63.20	64.38	W	64.32	62.46	67.31	66.57	66.24	65.75	66.85	71.17	63.95
October	65.18	64.92	65.27	W	64.94	63.33	67.58	67.11	66.84	66.29	67.52	70.37	64.63
November	55.65	55.57	52.11	W	51.17	50.13	52.46	53.30	53.14	52.46	54.58	56.28	50.76
December	47.63	47.47	43.98	W	43.42	41.67	40.58	45.30	45.10	44.30	45.45	48.47	42.05
2018	61.40	61.35	59.41	W	59.52	57.30	61.15	61.24	60.98	60.45	61.84	65.51	58.61
2019													
January	47.85	47.51	46.09	W	45.91	43.93	46.08	48.07	47.82	46.96	48.30	50.98	44.76
February	52.51	52.22	49.49	W	49.40	47.13	51.86	51.68	51.35	50.52	51.72	54.39	48.29
March	57.47	57.30	52.74	W	52.25	49.93	54.91	54.69	54.41	53.55	54.84	57.44	51.56
April	63.01	62.95	58.23	W	58.22	55.38	60.99	60.39	60.11	59.24	60.49	63.23	57.32
May	59.68	59.50	55.96	W	55.50	53.64	57.66	57.40	57.19	56.52	57.64	60.18	54.59
June	54.22	54.08	49.61	W	49.53	46.60	51.56	54.56	56.78	50.40	53.48	54.15	48.31
July	56.47	56.39	52.84	W	52.64	50.37	54.01	52.62	51.59	53.00	53.95	56.86	50.99
August	53.63	53.69	49.33	W	49.07	47.49	51.21	52.96	53.52	50.39	51.64	54.15	48.39
September	55.07	55.12	50.74	W	51.43	48.91	52.80	52.20	51.50	52.24	52.52	56.37	50.28
October	53.14	53.11	50.99	W	51.06	48.76	49.51	52.21	52.70	49.79	50.81	53.01	47.53

See footnotes at end of table.

**Table 18. Domestic crude oil first purchase prices (cont.)**

dollars per barrel

Year month	PAD District 2 (cont.)				PAD District 3							Federal Offshore Gulf
	ND	OH	OK	SD	Average	AL	AR	LA	MS	NM	TX	
1997	17.63	17.77	19.05	17.80	18.69	18.58	17.58	19.22	16.94	19.02	18.66	18.63
1998	11.39	12.20	12.73	12.29	12.19	12.08	11.10	12.59	10.33	12.36	12.28	12.03
1999	16.70	16.41	17.77	16.86	17.07	16.71	15.89	17.73	15.42	17.46	17.29	16.66
2000	28.19	27.49	29.08	28.18	28.22	27.63	26.98	29.03	26.23	28.80	28.60	27.59
2001	23.55	22.55	24.68	23.89	23.43	23.18	21.82	24.51	21.13	23.72	23.41	23.29
2002	24.15	22.61	24.49	23.96	23.74	23.39	21.50	24.84	22.11	24.11	23.77	23.49
2003	29.27	28.18	29.72	28.94	29.08	28.97	26.57	30.52	27.46	29.52	29.13	28.72
2004	39.30	38.27	39.95	38.40	38.41	38.79	36.67	40.48	37.03	39.25	38.79	37.07
2005	52.38	53.47	54.46	50.65	51.96	53.26	50.86	54.05	49.58	52.84	52.61	49.78
2006	56.69	62.89	63.11	51.85	61.49	63.16	58.67	64.23	59.35	61.74	61.31	60.80
2007	65.30	68.09	69.31	62.78	68.37	71.10	64.25	71.63	68.65	68.94	68.30	67.40
2008	88.68	96.43	96.15	87.42	97.64	96.71	90.91	100.89	94.60	96.23	96.85	99.10
2009	53.75	56.35	56.56	50.75	57.77	55.25	53.07	59.18	58.29	57.08	57.40	58.22
2010	70.26	73.68	75.18	69.04	76.57	75.54	71.01	78.25	76.41	75.64	76.23	77.06
2011	88.74	90.79	90.94	87.08	96.79	105.99	87.61	106.20	100.43	90.93	91.99	105.65
2012	84.06	92.87	89.97	83.10	96.11	104.81	89.39	105.97	100.80	88.01	92.50	105.95
2013	90.22	94.89	94.25	89.28	97.53	103.10	92.98	105.18	100.44	92.13	95.80	103.29
2014	82.89	83.95	89.25	82.78	88.43	89.73	85.23	94.13	90.81	83.44	87.02	93.33
2015	41.42	38.40	44.96	42.73	45.61	44.55	43.04	48.43	46.81	44.40	44.95	47.67
2016	36.51	37.04	39.51	36.39	39.19	38.53	37.21	41.08	39.18	39.18	39.35	38.63
2017	47.04	46.14	48.41	45.60	48.50	48.34	44.60	50.37	48.06	47.90	48.57	48.46
2018												
January	61.75	59.25	61.50	59.18	62.57	63.85	57.22	65.57	63.42	61.57	62.87	61.88
February	59.65	58.01	60.22	57.96	61.89	62.04	55.97	63.51	61.25	60.85	61.78	62.60
March	58.98	58.65	61.01	58.64	61.07	60.42	56.82	62.69	60.29	60.51	61.22	60.85
April	62.48	62.01	64.37	61.65	63.53	63.69	59.74	65.82	63.41	62.86	63.84	62.81
May	65.72	65.45	67.83	65.31	65.64	67.75	62.52	69.99	67.39	63.02	65.38	67.34
June	63.01	62.82	65.35	62.37	61.79	66.92	59.79	68.65	66.31	55.59	60.18	68.51
July	67.85	66.20	69.08	66.09	66.33	73.20	64.46	74.52	72.38	60.02	65.14	71.30
August	65.31	62.95	67.58	64.32	61.08	66.46	61.44	68.81	66.25	54.43	59.40	67.61
September	66.76	65.10	68.91	64.57	61.32	70.34	63.86	71.80	69.46	52.97	59.54	69.46
October	67.14	65.85	68.92	64.92	63.33	72.92	65.67	74.03	72.26	54.87	61.44	71.93
November	51.24	52.20	54.95	49.68	56.19	59.77	51.81	60.82	59.35	48.55	52.93	67.76
December	37.06	44.18	46.74	38.89	49.25	51.44	43.90	52.47	51.20	43.59	46.59	58.94
2018	60.27	60.61	62.95	59.55	61.04	64.93	58.69	66.65	64.39	56.06	59.91	65.97
2019												
January	44.49	46.91	49.02	43.67	47.40	52.73	46.47	53.89	52.65	41.85	45.82	54.13
February	51.76	50.40	52.40	49.40	51.73	56.14	50.06	57.44	56.24	47.93	50.77	56.33
March	54.84	53.41	55.40	51.94	57.67	60.19	52.83	61.24	60.19	54.90	56.82	61.22
April	61.16	58.88	61.17	58.29	63.29	66.01	58.27	67.13	65.72	60.16	62.65	66.35
May	57.34	56.11	58.63	55.72	59.63	62.18	55.49	63.60	62.10	55.39	58.43	65.08
June	51.16	49.99	52.39	49.29	54.49	57.19	49.55	58.67	57.20	49.26	52.64	62.54
July	53.71	52.55	54.99	51.86	56.83	59.30	51.91	60.47	59.03	53.94	56.27	60.27
August	50.61	50.12	52.49	48.98	54.27	54.77	49.61	56.63	55.05	51.38	53.11	58.92
September	51.85	51.85	54.69	50.18	55.58	55.38	51.23	57.62	55.98	53.89	55.05	58.02
October	47.92	50.56	52.22	47.20	53.97	55.13	48.68	57.94	53.21	52.30	53.47	56.31

See footnotes at end of table.



**Table 18. Domestic crude oil first purchase prices (cont.)**

dollars per barrel

Year month	PAD District 4					PAD District 5				
	Average	CO	MT	UT	WY	Average	AK North Slope	AK Other	CA	Federal Offshore CA
1997	17.80	19.03	17.00	18.57	17.41	15.06	14.84	17.43	15.78	12.97
1998	11.38	12.56	11.28	12.52	10.70	8.80	8.47	11.55	9.55	6.99
1999	16.79	17.37	16.54	17.69	16.47	13.10	12.46	17.44	14.08	11.78
2000	27.60	28.85	27.82	28.53	26.89	24.16	23.62	28.23	24.82	23.32
2001	22.73	24.82	23.16	24.09	21.55	19.03	18.18	23.30	20.11	18.38
2002	23.01	25.29	22.76	23.87	21.96	20.39	19.37	24.47	21.87	19.03
2003	28.09	30.71	28.66	28.88	26.63	24.97	23.78	28.48	26.43	24.25
2004	37.34	40.38	38.53	39.35	35.10	33.69	33.03	38.76	34.47	32.23
2005	50.65	55.34	52.66	53.98	45.63	47.03	47.05	54.19	47.08	43.48
2006	57.38	63.80	56.69	59.70	53.25	57.03	56.86	64.10	57.34	53.37
2007	62.54	67.04	64.64	62.48	58.34	64.24	63.69	69.60	65.07	59.39
2008	88.23	90.80	89.96	86.58	86.07	90.16	90.10	95.04	90.47	85.68
2009	52.16	52.33	52.96	50.22	52.30	55.23	54.41	W	56.11	53.59
2010	69.72	72.75	70.24	68.09	68.10	73.29	72.33	W	74.51	69.80
2011	85.64	88.26	88.61	82.53	83.45	100.39	98.79	W	102.50	96.01
2012	82.91	85.78	82.98	82.73	80.70	101.33	98.70	W	104.10	97.04
2013	87.16	90.10	88.73	84.79	85.30	99.08	95.79	W	102.53	91.40
2014	80.92	82.48	80.54	79.04	80.54	89.30	86.41	W	92.14	80.55
2015	40.58	40.51	40.38	40.69	40.64	43.58	41.11	W	45.63	37.62
2016	36.68	37.81	35.40	36.92	35.98	35.68	33.13	W	37.96	W
2017	45.94	46.41	44.89	44.24	46.63	47.44	45.21	W	49.54	W
2018										
January	58.46	58.71	58.60	56.49	59.06	63.33	60.38	W	66.66	W
February	57.20	57.57	57.02	55.27	57.84	61.00	58.55	W	63.89	W
March	57.73	57.93	57.01	56.65	58.24	61.13	58.55	W	64.23	W
April	61.00	61.36	60.76	59.27	61.50	65.09	62.27	W	68.19	W
May	64.46	64.72	64.02	61.55	65.61	69.57	66.50	W	73.12	W
June	61.85	62.43	61.20	58.87	62.84	67.96	64.42	W	71.66	W
July	65.25	65.53	66.34	61.19	66.86	70.55	67.92	W	72.78	W
August	63.18	63.52	63.19	59.12	64.46	67.57	65.76	W	69.34	W
September	64.13	65.30	63.50	60.89	64.50	71.62	69.75	W	73.67	W
October	64.52	65.71	63.65	61.59	64.62	72.87	69.68	W	76.27	W
November	50.61	52.37	46.26	51.79	48.58	59.75	57.00	W	62.96	W
December	40.22	43.98	32.39	40.76	36.51	52.07	50.12	W	54.45	W
2018	59.05	59.87	58.03	56.85	59.35	65.03	62.21	W	68.12	W
2019										
January	44.32	45.47	42.10	43.26	43.85	55.24	53.34	W	57.72	W
February	49.04	48.83	49.85	46.26	50.28	59.73	56.99	W	63.29	W
March	51.87	51.84	52.56	47.97	53.26	62.44	60.17	W	65.34	W
April	58.16	58.06	58.11	54.70	59.70	66.53	63.91	W	69.74	W
May	54.70	54.57	54.65	50.87	56.36	65.13	62.64	W	68.42	W
June	48.69	48.59	48.18	47.75	49.33	58.91	56.56	W	61.87	W
July	51.46	51.45	51.12	48.43	52.41	60.32	57.87	W	63.17	W
August	48.66	48.73	48.50	46.37	49.54	55.63	52.22	W	58.53	W
September	50.56	51.18	50.34	47.81	51.00	57.47	54.04	W	61.24	W
October	47.74	48.13	45.82	46.81	48.00	56.16	53.66	W	59.55	W

W = Withheld to avoid disclosure of individual company data.

R = Revised data.

Notes: - In November 2018, a new crude stream was added and a selected crude stream was deleted for North Dakota. In January 2004, new crude streams were added and selected crude streams were discontinued for California, Gulf Coast, Oklahoma, and Texas. - The actual domestic average price represents the average price at the lease (or wellhead) at which domestic crude oil is purchased. - Values shown for the current month are preliminary. Values shown for the previous month may be revised. Data through 2018 are final.

Sources: U.S. Energy Information Administration Form EIA-182, *Domestic Crude Oil First Purchase Report*.

**Table 19. Domestic crude oil first purchase prices for selected crude streams**

dollars per barrel

Year month	Alaska North Slope	California Kern River	California Midway-Sunset	Heavy Louisiana Sweet	Louisiana Light Sweet	Mars Blend	West Texas Intermediate	West Texas Sour	Wyoming Sweet
1997	14.84	15.02	14.88	-	-	-	19.27	17.77	-
1998	8.47	8.59	8.48	-	-	-	12.89	11.50	-
1999	12.46	14.02	12.22	-	-	-	17.78	16.66	-
2000	23.62	23.88	23.56	-	-	-	29.16	27.66	-
2001	18.18	19.03	19.50	-	-	-	24.62	22.10	-
2002	19.37	19.80	22.81	-	-	-	24.33	23.23	-
2003	23.78	25.24	26.67	-	-	-	29.60	28.18	30.11
2004	33.03	33.42	33.74	37.78	40.24	34.53	39.55	37.29	39.52
2005	47.05	44.67	45.93	51.61	51.95	46.13	53.90	50.72	53.94
2006	56.86	55.05	54.59	63.41	64.04	57.35	63.16	59.03	60.52
2007	63.69	62.14	61.62	70.00	72.93	63.37	69.59	65.56	64.79
2008	90.10	87.27	86.92	103.96	104.51	93.40	97.39	95.31	89.30
2009	54.41	53.94	53.00	58.61	61.26	57.21	57.27	56.63	51.68
2010	72.33	72.80	72.26	78.16	79.28	75.43	76.63	75.03	70.43
2011	98.79	103.14	100.96	106.74	108.48	105.30	92.18	90.77	87.42
2012	98.70	103.41	103.05	106.77	107.53	105.03	91.36	87.94	84.81
2013	95.79	101.33	101.02	105.73	106.32	100.80	95.26	92.51	90.10
2014	86.41	90.38	89.34	95.53	94.37	92.50	85.90	85.66	82.19
2015	41.11	44.71	43.81	47.83	47.91	46.27	44.58	45.78	41.77
2016	33.13	36.83	36.12	40.37	40.56	36.75	39.20	39.44	37.86
2017	45.21	48.33	48.04	50.27	49.52	46.89	48.50	48.25	47.80
2018									
January	60.38	W	65.50	65.56	64.79	60.92	62.31	61.81	60.77
February	58.55	W	62.39	64.20	62.96	61.01	61.65	60.57	59.97
March	58.55	W	63.02	62.74	61.42	59.01	61.26	59.87	60.36
April	62.27	W	66.84	66.31	64.53	61.13	63.51	63.08	63.33
May	66.50	W	71.58	70.60	68.53	66.02	64.38	63.04	66.74
June	64.42	W	70.21	69.52	67.74	66.96	58.10	56.17	63.95
July	67.92	W	71.30	74.47	74.25	69.89	62.70	60.71	68.17
August	65.76	W	68.14	68.71	67.92	65.96	57.09	55.20	65.75
September	69.75	W	72.66	72.26	71.04	68.04	56.48	53.38	66.02
October	69.68	75.65	75.09	74.66	74.59	71.58	58.15	56.03	66.18
November	57.00	62.12	61.52	64.08	61.60	65.37	50.96	48.80	50.84
December	50.12	53.48	53.03	56.89	53.38	55.95	44.95	46.61	38.09
2018	62.21	67.05	66.97	67.54	66.17	64.59	58.11	57.04	60.99
2019									
January	53.34	57.27	56.39	55.51	53.96	52.20	44.06	42.07	44.71
February	56.99	60.94	60.26	58.99	57.25	55.07	49.30	48.35	50.96
March	60.17	64.49	63.76	63.07	61.69	60.36	55.72	55.59	53.86
April	63.91	69.17	68.24	68.56	67.22	65.55	61.60	61.41	60.36
May	62.64	68.22	67.26	65.70	63.60	64.07	57.49	56.74	56.88
June	56.56	61.31	60.16	61.02	59.18	60.54	51.59	50.48	50.22
July	57.87	62.73	61.55	62.53	60.72	59.13	55.45	54.60	53.20
August	52.22	58.66	57.61	59.12	56.31	57.42	52.72	52.40	50.21
September	54.04	60.86	57.99	59.77	57.00	56.86	54.71	54.63	51.62
October	53.66	59.93	56.92	58.32	56.31	54.87	53.17	52.56	47.90

- = No data reported.

R = Revised data.

Notes: - In November 2018, a new crude stream was added and a selected crude stream was deleted for North Dakota. In January 2004, new crude streams were added and selected crude streams were discontinued for California, Gulf Coast, Oklahoma, and Texas. - Values shown for the current month are preliminary. Values shown for the previous month may be revised. Data through 2018 are final.

Sources: U.S. Energy Information Administration, Form EIA-182, *Domestic Crude Oil First Purchase Report*.

**Table 20. Domestic crude oil first purchase prices by API gravity**

dollars per barrel

Year month	20.0 or less	20.1 to 25.0	25.1 to 30.0	30.1 to 35.0	35.1 to 40.0	40.1 or greater
1997	15.44	16.27	14.87	18.38	18.62	19.26
1998	9.22	9.62	8.50	12.03	12.17	12.80
1999	14.00	15.30	12.50	16.92	17.18	17.64
2000	24.42	25.64	23.64	28.10	28.36	29.09
2001	19.53	19.59	18.18	23.31	23.99	24.43
2002	21.08	20.80	19.39	23.62	23.94	24.26
2003	25.82	25.56	23.80	28.77	29.21	29.66
2004	33.38	35.02	33.21	37.24	39.33	39.97
2005	45.01	46.33	47.09	50.81	53.14	54.06
2006	54.96	57.89	56.18	60.78	61.83	61.86
2007	62.00	64.94	62.83	67.14	69.29	69.17
2008	87.10	91.01	89.55	98.41	96.69	94.95
2009	54.05	55.66	54.30	57.66	56.93	56.66
2010	72.40	75.04	71.78	76.22	76.03	74.48
2011	101.30	103.07	97.12	99.65	94.54	91.87
2012	102.79	101.56	96.64	98.48	93.12	91.01
2013	99.40	100.70	94.13	99.11	96.24	94.76
2014	87.83	91.05	85.48	90.95	86.56	86.12
2015	43.88	45.71	40.73	46.82	44.67	43.65
2016	36.87	38.52	32.94	38.95	39.33	38.25
2017	48.74	49.77	45.08	48.40	48.64	48.44
2018						
January	66.17	66.46	60.05	62.38	62.47	63.07
February	62.89	63.48	58.18	61.52	61.70	61.30
March	63.44	64.34	58.17	60.30	61.35	60.69
April	67.34	67.64	61.91	63.23	63.78	63.74
May	72.16	71.97	66.28	66.19	65.06	66.58
June	70.88	70.43	64.18	63.35	59.38	63.23
July	72.00	72.24	67.59	67.62	63.90	68.35
August	68.66	68.70	65.42	62.83	58.61	63.76
September	73.09	72.27	69.25	63.74	58.26	65.14
October	75.76	75.18	69.22	66.28	59.85	66.45
November	62.33	61.42	56.41	59.04	51.61	53.90
December	53.77	52.74	49.57	52.45	45.09	44.52
2018	67.45	67.25	61.83	62.35	58.97	61.59
2019						
January	57.16	57.06	52.95	49.43	44.72	47.45
February	61.16	60.50	56.72	53.51	49.94	52.75
March	64.70	64.14	59.90	59.43	56.00	57.23
April	69.29	68.82	63.69	64.81	61.82	63.13
May	68.10	68.18	62.42	61.75	57.82	59.13
June	61.37	60.74	56.25	56.81	51.94	53.38
July	62.78	62.42	57.57	58.11	55.61	56.36
August	58.71	58.56	51.98	56.02	52.83	52.80
September	60.34	60.36	53.84	56.69	54.71	54.55
October	59.30	58.62	53.43	54.73	53.02	51.66

R = Revised data.

Notes: - In November 2018, a new crude stream was added and a selected crude stream was deleted for North Dakota. In January 2004, new crude streams were added and selected crude streams were discontinued for California, Gulf Coast, Oklahoma, and Texas. - Values shown for the current month are preliminary. Values shown for the previous month may be revised. Data through 2018 are final.

Sources: U.S. Energy Information Administration, Form EIA-182, *Domestic Crude Oil First Purchase Report*.

**Table 21. F.O.B.[a] costs of imported crude oil by selected country**

dollars per barrel

Year month	Selected countries							Persian Gulf[b]	Total OPEC[c]	Non OPEC
	Angola	Colombia	Mexico	Nigeria	Saudi Arabia	United Kingdom	Venezuela			
1997	18.81	18.85	16.72	19.43	15.16	18.59	15.33	15.24	16.26	17.51
1998	12.11	12.56	10.49	12.97	8.87	12.52	9.31	9.09	10.20	11.21
1999	17.46	17.20	15.89	17.32	17.65	19.14	14.33	17.15	15.90	16.84
2000	27.90	29.04	25.39	28.70	24.62	27.21	24.45	24.72	25.56	26.77
2001	23.25	24.25	18.89	24.85	18.98	23.30	18.01	18.89	19.73	21.04
2002	24.09	24.64	21.60	25.38	23.92	24.50	20.13	23.38	22.18	22.93
2003	28.22	28.89	24.83	29.40	25.03	28.76	23.81	25.17	25.36	26.21
2004	37.26	37.73	31.55	38.71	34.08	37.30	31.78	33.08	33.95	33.58
2005	52.48	51.89	43.00	55.95	47.96	54.48	46.39	47.21	49.60	45.79
2006	62.23	59.77	52.91	65.69	56.09	66.03	55.80	56.02	59.18	55.35
2007	67.80	67.93	61.35	76.64	W	69.96	64.10	69.93	69.58	62.69
2008	95.66	91.17	84.61	102.06	93.03	96.33	88.06	91.44	93.15	87.15
2009	57.07	57.90	56.47	64.61	57.87	65.63	55.58	59.53	58.53	57.16
2010	78.18	72.56	72.46	80.83	76.44	W	70.30	75.65	75.23	73.24
2011	111.82	100.21	100.90	115.35	107.08	-	97.23	106.47	105.34	98.49
2012	111.23	106.43	101.84	114.51	106.65	-	100.15	105.45	104.39	95.71
2013	107.71	101.24	98.40	110.06	101.16	W	97.52	100.62	100.57	93.67
2014	W	80.75	86.55	W	95.60	-	84.51	94.03	89.76	82.95
2015	W	47.52	44.90	W	47.53	-	40.73	46.95	43.25	41.19
2016	42.68	35.28	36.22	46.20	39.30	W	34.71	38.76	38.51	34.81
2017	W	48.34	46.66	54.77	51.30	W	45.60	50.16	49.55	43.30
<b>2018</b>										
January	W	61.24	58.75	W	65.03	W	62.07	63.50	64.12	51.34
February	W	59.66	56.74	W	63.19	W	55.72	61.90	61.07	49.79
March	-	W	56.73	W	65.04	W	56.84	61.90	60.90	49.09
April	W	65.95	57.68	W	68.33	W	63.28	66.05	66.09	53.73
May	-	W	63.32	W	70.57	W	66.56	69.66	70.07	58.99
June	W	W	64.46	W	71.32	W	64.82	70.18	69.44	59.81
July	W	68.32	66.21	-	70.62	-	62.93	70.30	67.64	59.85
August	W	67.29	63.08	W	71.08	W	63.09	70.11	68.40	57.46
September	W	W	68.15	W	72.90	W	68.94	72.05	71.80	56.39
October	W	W	73.91	W	74.73	W	68.44	74.61	73.26	54.18
November	-	64.87	63.76	W	62.34	W	53.25	63.44	60.58	36.18
December	-	50.04	52.70	W	57.79	-	46.46	55.74	53.04	28.95
2018	74.44	62.51	62.75	71.41	68.23	71.65	61.25	66.55	65.61	51.41
<b>2019</b>										
January	-	53.27	54.81	W	W	W	48.38	58.54	55.22	46.13
February	-	56.59	58.52	W	W	W	W	62.58	63.09	51.47
March	-	61.28	60.66	W	67.34	W	-	65.62	65.95	55.66
April	-	67.09	63.13	W	70.60	70.45	-	68.89	70.54	59.56
May	W	65.40	62.16	70.81	W	69.74	-	66.11	67.97	59.17
June	W	61.09	58.75	W	W	W	-	62.67	63.47	51.82
July	W	W	58.93	W	W	W	-	62.08	63.82	52.32
August	-	59.37	50.72	W	R59.24	W	-	R57.90	R59.51	50.47
September	-	W	56.73	W	R60.01	W	-	R58.32	R59.46	R51.12
October	-	W	52.15	W	-	-	-	W	56.00	49.05

- = No data reported.

W = Withheld to avoid disclosure of individual company data.

R = Revised data.

[a] Free on Board. See Glossary.

[b] Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

[c] Includes Algeria, Angola (January 2007-present), Congo (Brazzaville) (June 2018-present), Ecuador (January 2008-present), Equatorial Guinea (May 2018-present), Gabon (July 2016-present), Indonesia (1997-2008 and January 2016-November 2016), Iran, Iraq, Kuwait, Libya, Nigeria, Qatar (1997-2018), Saudi Arabia, United Arab Emirates and Venezuela.

Notes: - Values reflect the month of acquisition, which can be the month of loading, the month of landing, or sometime between those events. Prices for crude oil can be determined at a time other than the acquisition date. See the Explanatory Notes section for additional detail. - Values for the current 2 months are preliminary. Values shown for previous months may be revised. Data through 2018 are final.

Sources: U.S. Energy Information Administration Form EIA-856, *Monthly Foreign Crude Oil Acquisition Report*.

**Table 22. Landed costs of imported crude oil by selected country**

dollars per barrel

Year month	Selected countries								Persian Gulf[a]	Total OPEC[b]	Non OPEC
	Angola	Canada	Colombia	Mexico	Nigeria	Saudi Arabia	United Kingdom	Venezuela			
1997	20.24	17.63	19.71	17.30	20.64	17.52	20.64	16.35	17.44	17.73	18.45
1998	13.37	11.62	13.26	11.04	14.14	11.16	13.55	10.16	11.18	11.46	12.22
1999	18.37	17.54	18.09	16.12	17.63	17.48	18.26	15.58	17.37	16.94	17.51
2000	29.57	26.69	29.68	26.03	30.04	26.58	29.26	26.05	26.77	27.29	27.80
2001	25.13	20.72	25.88	19.37	26.55	20.98	25.32	19.81	20.73	21.52	22.17
2002	25.43	22.98	25.28	22.09	26.45	24.77	26.35	21.93	24.13	23.83	23.97
2003	30.14	26.76	30.55	25.48	31.07	27.50	30.62	25.70	27.54	27.70	27.68
2004	39.62	34.51	39.03	32.25	40.95	37.11	39.28	33.79	36.53	36.84	35.29
2005	54.31	44.73	53.42	43.47	57.55	50.31	55.28	47.87	49.68	51.36	47.31
2006	64.85	53.90	62.13	53.76	68.26	59.19	67.44	57.37	58.92	61.21	57.14
2007	71.27	60.38	70.91	62.31	78.01	70.78	72.47	66.13	69.83	71.14	63.96
2008	98.18	90.00	93.43	85.97	104.83	94.75	96.95	90.76	93.59	95.49	90.59
2009	61.32	57.60	58.50	57.35	68.01	62.14	63.87	57.78	62.15	61.90	58.58
2010	80.61	72.80	74.25	72.86	83.14	79.29	80.29	72.43	78.60	78.28	74.68
2011	114.05	89.92	102.57	101.21	116.43	108.83	118.45	100.14	108.01	107.84	98.64
2012	114.95	84.24	107.07	102.45	116.88	108.15	W	101.58	107.74	107.56	95.05
2013	110.81	84.41	103.00	99.06	112.87	102.60	111.23	99.34	102.53	102.98	91.99
2014	99.25	81.30	88.29	87.48	102.16	94.91	W	86.88	95.30	93.10	84.67
2015	51.73	41.99	49.53	45.51	54.70	49.78	W	42.87	49.43	47.44	44.09
2016	44.65	36.27	38.86	36.64	48.11	42.14	W	35.50	41.20	40.54	37.09
2017	54.17	44.93	50.60	47.73	56.48	52.56	56.11	47.02	51.42	51.26	46.67
2018											
January	66.55	51.17	63.25	59.86	69.15	64.81	W	62.79	63.83	64.78	54.69
February	W	48.27	62.55	57.37	69.60	65.30	68.19	55.98	63.21	62.93	53.05
March	70.27	47.01	63.59	56.99	70.59	66.77	W	57.72	63.72	63.53	51.07
April	W	52.22	66.34	58.62	W	69.44	73.82	63.62	67.09	66.95	56.32
May	W	58.19	70.63	64.03	79.38	71.28	W	67.45	70.85	71.50	61.72
June	76.28	58.57	70.64	65.38	W	72.17	72.88	65.81	71.49	70.65	62.95
July	75.55	59.00	71.20	66.82	W	72.56	-	63.67	71.62	70.54	62.54
August	75.45	56.78	68.79	64.18	W	72.85	72.41	64.12	71.64	70.48	60.79
September	75.83	52.35	73.88	69.79	W	72.56	W	70.73	72.26	72.45	58.76
October	W	47.96	74.22	74.76	W	73.75	W	69.31	72.24	72.19	57.15
November	-	28.06	66.20	64.52	68.03	65.87	W	55.70	64.99	63.30	38.56
December	-	21.62	54.71	53.89	62.21	60.39	W	48.93	58.67	57.11	30.89
2018	73.42	48.34	66.75	63.48	71.93	69.40	73.28	62.46	67.55	67.22	54.27
2019											
January	-	40.33	56.26	56.12	W	61.69	W	51.82	59.80	57.46	45.44
February	-	50.24	59.69	59.72	W	66.37	W	52.72	64.07	62.76	53.71
March	-	54.61	64.65	61.82	W	67.50	W	55.25	65.81	65.30	57.85
April	W	59.01	69.08	64.18	75.99	69.74	73.00	-	68.83	69.89	62.21
May	72.84	58.49	68.17	62.81	72.66	68.10	71.30	W	67.11	68.90	62.19
June	W	50.84	65.87	59.32	69.41	65.06	65.41	-	63.71	65.12	55.30
July	W	51.14	64.10	59.50	67.57	64.14	64.63	-	63.83	64.76	54.97
August	-	50.68	59.22	51.59	65.76	R61.59	W	-	R60.87	R61.75	R52.99
September	W	R50.62	R58.77	R57.73	R66.34	R61.17	R64.40	-	R60.46	R61.28	R53.32
October	W	49.58	57.20	53.43	64.91	W	60.80	-	55.93	59.02	51.60

- = No data reported.

W = Withheld to avoid disclosure of individual company data.

R = Revised data.

[a] Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

[b] Includes Algeria, Angola (January 2007-present), Congo (Brazzaville) (June 2018-present), Ecuador (January 2008-present), Equatorial Guinea (May 2018-present), Gabon (July 2016-present), Indonesia (1997-2008 and January 2016-November 2016), Iran, Iraq, Kuwait, Libya, Nigeria, Qatar (1997-2018), Saudi Arabia, United Arab Emirates and Venezuela.

Notes: - Values reflect the month of acquisition, which can be the month of loading, the month of landing, or sometime between those events. Prices for crude oil can be determined at a time other than the acquisition date. See the Explanatory Notes section for additional detail. - Values for the current 2 months are preliminary. Values shown for previous months may be revised. Data through 2018 are final.

Sources: U.S. Energy Information Administration Form EIA-856, *Monthly Foreign Crude Oil Acquisition Report*.

**Table 23. F.O.B.[a] costs of imported crude oil by API gravity**

dollars per barrel

Year month	20.0 or less	20.1 to 25.0	25.1 to 30.0	30.1 to 35.0	35.1 to 40.0	40.1 to 45.0	45.1 or greater
1997	13.12	14.94	17.49	17.61	19.37	19.88	19.77
1998	7.00	8.95	10.77	11.73	12.91	13.12	12.92
1999	12.13	14.49	17.07	17.33	18.03	18.81	17.00
2000	21.81	23.75	26.49	27.09	28.77	29.55	29.89
2001	16.17	17.23	21.84	21.60	23.84	24.80	25.72
2002	18.78	20.51	23.48	24.20	24.92	25.20	25.16
2003	21.88	24.09	25.65	27.49	28.67	29.35	28.64
2004	28.95	30.53	33.65	35.57	38.51	39.90	39.26
2005	40.54	41.52	49.26	50.82	54.65	56.47	52.83
2006	50.19	51.62	58.25	60.27	64.36	66.43	64.85
2007	56.69	60.14	69.31	71.44	73.46	74.27	70.10
2008	81.25	83.07	96.68	94.56	98.17	102.32	100.20
2009	54.76	54.36	56.30	59.78	63.63	62.10	63.32
2010	69.51	69.72	76.73	77.48	79.45	79.43	81.04
2011	94.66	94.15	103.09	107.24	111.37	114.28	112.74
2012	96.07	94.35	104.28	103.99	106.59	110.99	119.48
2013	93.91	91.27	100.20	101.44	104.26	108.78	103.41
2014	82.40	80.16	92.53	93.77	94.26	99.49	W
2015	40.07	38.33	47.33	47.85	49.98	54.59	W
2016	34.05	32.66	38.81	40.61	42.86	48.63	46.94
2017	43.78	41.82	48.78	51.08	50.31	54.70	54.12
<b>2018</b>							
January	57.20	49.82	56.18	62.44	60.12	66.11	W
February	53.01	46.68	54.95	62.04	57.83	65.11	W
March	53.41	45.84	57.90	61.95	60.18	69.20	W
April	57.58	51.45	65.73	66.67	64.74	71.91	W
May	62.76	55.69	65.41	69.28	70.82	W	W
June	61.21	57.70	63.29	69.09	69.54	75.58	W
July	59.86	58.01	68.71	69.06	67.39	72.74	W
August	60.39	54.39	67.31	69.37	67.01	71.14	W
September	58.92	54.06	72.13	72.46	68.33	W	W
October	59.90	55.36	71.51	67.46	59.12	W	W
November	47.19	35.95	51.98	53.65	37.46	66.22	W
December	42.73	26.24	34.40	49.43	31.50	W	W
<b>2018</b>	56.23	49.53	62.26	64.43	58.85	70.85	W
<b>2019</b>							
January	48.25	42.98	50.46	55.65	47.02	57.38	W
February	53.25	50.48	58.00	59.15	52.95	W	W
March	55.51	53.31	60.10	64.17	57.03	W	W
April	59.61	57.29	62.14	66.71	65.05	71.65	W
May	59.94	57.95	61.84	65.13	61.31	68.69	W
June	53.79	50.17	55.28	61.36	58.20	65.30	W
July	53.57	51.11	58.63	60.81	53.70	65.61	W
August	48.72	48.47	53.90	R58.52	53.30	W	W
September	R51.78	R49.90	R52.20	R57.76	R52.32	W	W
October	45.35	47.22	52.22	58.48	54.36	W	-

- = No data reported.

W = Withheld to avoid disclosure of individual company data.

R = Revised data.

[a] Free on Board. See Glossary

Notes: - Values reflect the month of acquisition, which can be the month of loading, the month of landing, or sometime between those events. Prices for crude oil can be determined at a time other than the acquisition date. See the Explanatory Notes section for additional detail. - Values for the current 2 months are preliminary. Values shown for previous months may be revised. Data through 2018 are final.

Sources: U.S. Energy Information Administration, Form EIA-856, *Monthly Foreign Crude Oil Acquisition Report*.

**Table 24. Landed costs of imported crude oil by API gravity**

dollars per barrel

Year month	20.0 or less	20.1 to 25.0	25.1 to 30.0	30.1 to 35.0	35.1 to 40.0	40.1 to 45.0	45.1 or greater
1997	14.42	15.79	18.57	18.42	20.34	21.09	20.85
1998	8.19	9.73	11.81	12.31	13.73	14.40	14.38
1999	13.40	15.30	17.33	17.81	18.18	19.22	18.48
2000	23.49	24.71	27.60	27.91	29.99	30.37	31.10
2001	17.66	18.14	23.29	22.21	24.86	26.59	26.49
2002	20.59	21.33	24.40	24.91	25.73	26.49	25.96
2003	23.87	25.15	27.78	28.78	29.95	30.73	30.90
2004	30.96	31.92	35.99	37.94	39.82	41.25	41.59
2005	42.20	42.24	49.94	52.18	54.95	58.38	56.43
2006	51.84	52.62	59.38	61.88	64.80	68.44	66.78
2007	59.01	60.64	68.95	72.03	73.17	75.68	73.57
2008	85.39	84.76	97.30	96.83	99.90	103.68	99.23
2009	56.38	55.68	61.28	62.43	64.80	64.82	63.90
2010	71.54	71.07	78.35	79.64	81.25	81.09	82.17
2011	96.89	93.32	106.06	108.76	110.93	115.40	113.24
2012	97.49	91.32	105.92	107.23	107.27	112.70	115.67
2013	95.87	88.35	101.63	102.97	104.39	110.66	105.88
2014	85.31	81.44	93.64	95.20	94.50	100.17	100.25
2015	43.20	41.14	49.58	50.16	50.78	54.54	51.70
2016	35.85	34.78	41.73	42.14	44.49	48.15	48.93
2017	46.51	44.75	51.46	53.12	52.48	55.74	55.70
<b>2018</b>							
January	58.31	53.07	62.54	64.41	61.62	68.66	69.67
February	54.33	49.87	61.17	64.31	65.10	66.22	68.83
March	54.30	48.32	61.15	65.40	62.69	67.41	W
April	59.96	52.58	65.46	69.52	68.10	70.77	W
May	65.28	58.51	70.58	71.21	72.86	75.40	W
June	64.58	60.28	67.84	71.14	69.85	76.54	W
July	62.24	60.25	69.86	72.16	69.74	74.18	76.47
August	62.13	57.72	67.62	71.79	69.54	72.53	W
September	62.05	56.28	69.02	72.70	70.87	75.57	W
October	63.58	54.78	66.37	69.02	63.34	77.21	W
November	47.22	36.31	57.21	58.86	45.90	68.42	W
December	45.94	26.44	52.69	50.99	37.95	65.68	W
<b>2018</b>	58.99	51.34	64.57	66.93	62.82	71.71	71.47
<b>2019</b>							
January	49.72	41.88	54.64	56.22	50.11	57.81	65.11
February	55.03	52.30	59.38	61.09	55.65	61.35	W
March	57.67	55.82	61.24	64.52	60.98	63.21	W
April	61.67	60.59	65.70	67.95	65.63	71.06	70.32
May	64.18	60.96	66.20	66.81	64.57	68.48	W
June	56.90	53.00	60.90	63.00	60.18	64.73	W
July	56.50	53.46	61.88	61.85	55.80	65.94	W
August	52.24	50.56	R58.23	R60.60	R58.39	59.54	W
September	R54.80	R51.20	R57.11	R59.55	R56.25	R62.23	R63.05
October	50.05	50.05	55.76	59.32	55.76	56.97	W

- = No data reported.

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R = Revised data.

Notes: - Values reflect the month of acquisition, which can be the month of loading, the month of landing, or sometime between those events. Prices for crude oil can be determined at a time other than the acquisition date. See the Explanatory Notes section for additional detail. - Values for the current 2 months are preliminary. Values shown for previous months may be revised. Data through 2018 are final.

Sources: U.S. Energy Information Administration, Form EIA-856, *Monthly Foreign Crude Oil Acquisition Report*.

**Table 25. Percentages of total imported crude oil by API gravity**  
percent by interval

Year month	20.0 or less	20.1 to 25.0	25.1 to 30.0	30.1 to 35.0	35.1 to 40.0	40.1 to 45.0	45.1 or greater
1997	6.05	21.88	13.33	34.43	21.28	1.77	1.27
1998	5.84	20.29	13.99	35.62	20.81	1.88	1.57
1999	4.76	17.78	14.18	36.54	21.46	3.72	1.57
2000	6.21	18.88	13.41	36.90	19.83	3.44	1.35
2001	7.97	20.78	11.60	36.10	19.63	2.71	1.21
2002	8.28	22.29	11.44	35.28	18.29	2.67	1.75
2003	8.29	24.25	9.97	35.60	17.19	2.70	1.99
2004	11.13	23.70	8.18	34.57	17.68	2.10	2.64
2005	11.94	22.83	10.20	31.87	16.92	3.68	2.55
2006	13.04	23.28	11.18	28.22	15.73	5.82	2.74
2007	11.72	23.12	11.18	28.86	16.71	5.57	2.84
2008	13.22	23.50	11.51	30.42	14.64	4.24	2.47
2009	14.08	26.11	7.78	29.74	13.76	5.65	2.88
2010	15.13	26.01	5.35	30.73	14.35	5.57	2.86
2011	17.20	27.47	6.02	30.64	13.42	3.58	1.68
2012	16.66	29.77	8.41	28.31	12.84	3.36	0.65
2013	16.20	33.87	8.74	29.98	9.67	1.28	0.27
2014	18.49	36.73	9.78	26.96	7.19	0.75	0.11
2015	19.51	38.05	8.63	26.17	7.15	0.43	0.06
2016	16.70	38.88	8.43	24.92	8.42	1.43	1.22
2017	17.58	39.99	9.88	21.31	7.37	1.93	1.95
<b>2018</b>							
January	13.65	46.31	8.15	21.96	5.29	2.32	2.32
February	14.54	41.23	10.57	23.23	5.63	2.88	1.93
March	14.87	40.44	11.29	24.42	4.69	W	W
April	15.39	41.98	8.00	24.55	5.55	W	W
May	15.55	42.03	11.03	19.69	8.98	W	W
June	19.56	39.42	9.38	21.30	5.31	W	W
July	17.27	39.83	10.16	23.03	5.57	3.37	0.77
August	16.92	38.86	10.56	22.83	7.61	W	W
September	19.27	40.28	9.66	21.96	6.09	W	W
October	19.76	41.24	12.30	18.05	5.47	W	W
November	16.81	39.03	10.55	20.69	8.77	W	W
December	12.93	44.45	8.58	22.46	7.31	W	W
<b>2018</b>	16.36	41.28	9.99	22.06	6.34	2.49	1.49
<b>2019</b>							
January	15.77	38.04	11.31	23.50	8.09	1.46	1.82
February	8.71	44.08	12.08	22.51	8.66	W	W
March	10.56	41.61	15.83	21.04	7.41	W	W
April	9.44	46.64	9.07	19.88	10.28	3.07	1.62
May	14.67	41.67	9.79	18.48	12.38	W	W
June	11.13	44.71	9.10	20.71	10.28	W	W
July	9.98	46.02	11.92	18.14	10.37	W	W
August	R12.05	R41.51	R13.01	R20.49	R10.56	W	W
September	R15.25	R40.97	R10.03	R18.22	R11.07	R2.81	R1.64
October	15.83	47.35	9.67	17.06	6.90	W	W

- = No data reported.

W = Withheld to avoid disclosure of individual company data.

R = Revised data.

Notes: - Values reflect the month of acquisition, which can be the month of loading, the month of landing, or sometime between those events. Prices for crude oil can be determined at a time other than the acquisition date. See the Explanatory Notes section for additional detail. - Values for the current 2 months are preliminary. Values shown for previous months may be revised. Data through 2018 are final.

Sources: U.S. Energy Information Administration, Form EIA-856, *Monthly Foreign Crude Oil Acquisition Report*.



**Table 26. F.O.B.[a] costs of imported crude oil for selected crude streams**

dollars per barrel

Year quarter month	Canadian Lloydminster	Iraqi Basrah Light	Mexican Mayan	Nigerian Qua Iboe	Venezuelan Merey
2005	35.13	-	40.69	-	-
2006	44.55	-	51.29	-	-
2007	48.54	-	59.96	-	-
2008	79.33	-	82.99	-	-
2009	50.11	62.98	55.07	65.60	59.89
2010	64.41	74.36	70.36	82.66	70.26
2011	78.41	104.51	98.27	115.82	98.73
2012	77.01	103.17	99.81	115.85	102.04
2013	75.61	99.28	96.87	W	99.26
2014	75.42	92.96	85.83	W	89.86
2015	W	47.59	43.49	W	43.82
2016	-	36.73	36.39	W	37.72
2017	W	49.10	46.82	W	45.62
2018					
January	-	W	59.05	-	W
February	-	W	56.82	-	-
March	-	59.95	56.98	-	-
1st quarter average	-	60.11	57.49	-	W
April	-	64.98	57.87	-	W
May	-	68.23	63.55	-	-
June	-	W	64.61	-	-
2nd quarter average	-	66.48	62.28	-	W
July	-	W	66.35	-	W
August	-	W	63.27	-	W
September	-	W	68.34	-	W
3rd quarter average	-	68.98	66.00	-	W
October	-	-	74.38	-	W
November	-	W	64.73	-	-
December	-	W	52.75	-	-
4th quarter average	-	58.16	66.48	-	W
2018	-	63.19	63.02	-	W
2019					
January	-	W	55.42	-	-
February	-	W	59.35	-	-
March	-	W	61.54	-	-
1st quarter average	-	W	58.80	-	-
April	-	W	64.15	-	-
May	-	W	62.84	-	-
June	-	W	59.11	-	-
2nd quarter average	-	64.52	61.91	-	-
July	-	W	59.37	-	-
August	-	W	51.23	-	-
September	-	W	57.22	-	-
3rd quarter average	-	W	55.73	-	-
October	W	W	53.39	-	-

- = No data reported.

W = Withheld to avoid disclosure of individual company data.

R = Revised data.

[a] Free on Board. See Glossary

Notes: - Effective January 2009, selected crude streams were discontinued and new crude streams were added for publication. - Values reflect the month of acquisition, which can be the month of loading, the month of landing, or sometime between those events. Prices for crude oil can be determined at a time other than the acquisition date. See the Explanatory Notes section for additional detail. - Values for the current 2 months are preliminary. Values shown for previous months may be revised. Data through 2018 are final.

Sources: U.S. Energy Information Administration, Form EIA-856, *Monthly Foreign Crude Oil Acquisition Report*.

**Table 27. Landed costs of imported crude oil for selected crude streams**

dollars per barrel

Year quarter month	Algerian Saharan Blend	Brazilian Marlim	Canadian Bow River Heavy	Canadian Light Sour Blend	Canadian Lloydminster
<b>2005</b>	-	-	39.22	-	37.59
<b>2006</b>	-	-	48.38	-	46.96
<b>2007</b>	-	-	52.36	-	50.94
<b>2008</b>	-	-	84.29	-	82.50
<b>2009</b>	65.95	58.94	55.71	59.12	53.44
<b>2010</b>	81.78	76.63	68.92	76.56	68.13
<b>2011</b>	115.82	107.13	82.02	96.52	82.24
<b>2012</b>	114.02	114.32	77.19	87.82	81.33
<b>2013</b>	113.45	108.43	76.88	90.59	79.34
<b>2014</b>	-	93.08	76.90	85.10	81.87
<b>2015</b>	W	47.77	38.90	47.18	38.51
<b>2016</b>	49.82	W	33.43	40.04	W
<b>2017</b>	54.96	50.40	43.02	50.08	42.28
<b>2018</b>					
January	70.13	-	45.68	57.22	W
February	W	W	38.64	60.89	W
March	W	W	39.89	59.46	-
<b>1st quarter average</b>	68.55	W	41.88	58.42	W
April	W	-	43.61	63.00	W
May	W	-	53.66	65.07	W
June	W	-	55.69	61.96	-
<b>2nd quarter average</b>	75.40	-	51.89	63.32	W
July	73.97	-	56.25	67.99	-
August	74.53	-	52.40	65.31	-
September	W	-	45.23	62.05	-
<b>3rd quarter average</b>	74.55	-	51.15	64.81	-
October	W	-	44.12	59.11	-
November	W	-	18.36	45.37	-
December	W	-	10.44	31.68	W
<b>4th quarter average</b>	70.74	-	26.06	43.19	W
<b>2018</b>	72.51	W	42.83	57.93	W
<b>2019</b>					
January	-	-	32.02	46.30	W
February	W	-	48.27	48.42	-
March	W	-	52.21	56.72	W
<b>1st quarter average</b>	W	-	43.75	50.56	W
April	W	-	56.67	61.22	W
May	W	-	56.50	59.98	-
June	-	-	46.91	51.74	-
<b>2nd quarter average</b>	W	-	53.87	58.25	W
July	-	-	48.33	53.33	-
August	-	-	46.97	53.20	-
September	-	-	W	54.58	-
<b>3rd quarter average</b>	-	-	47.54	53.74	-
October	W	-	45.81	50.40	W

See footnotes at end of table.

**Table 27. Landed costs of imported crude oil for selected crude streams (cont.)**

dollars per barrel

Year quarter month	Ecuadorian Oriente	Ecuadorian Napo	Iraqi Basrah Light	Mexican Mayan	Nigerian Bonny Light
2005	46.42	-	-	41.54	57.12
2006	56.75	-	-	52.04	69.29
2007	64.57	-	-	60.93	77.90
2008	87.25	-	-	84.29	108.46
2009	56.97	48.74	64.38	56.03	68.30
2010	75.48	72.97	77.96	70.87	84.10
2011	101.74	97.91	106.67	98.81	116.95
2012	105.50	101.53	106.93	100.29	117.70
2013	104.14	100.01	102.70	97.43	W
2014	91.65	93.11	96.95	86.49	W
2015	49.65	41.84	49.50	44.08	59.92
2016	40.68	37.46	39.90	36.79	W
2017	51.93	49.18	50.73	47.87	W
2018					
January	66.34	W	64.01	59.90	-
February	65.05	W	60.97	57.42	-
March	63.11	60.38	61.65	57.11	-
1st quarter average	65.06	60.72	62.05	58.24	-
April	68.05	63.50	65.78	58.58	-
May	73.52	W	69.98	64.17	-
June	71.04	66.83	69.31	65.46	-
2nd quarter average	70.28	65.56	68.13	63.22	-
July	74.01	68.84	70.02	66.89	-
August	70.12	67.85	68.65	64.21	-
September	W	68.28	72.38	69.88	-
3rd quarter average	72.42	68.30	70.26	66.80	-
October	77.96	69.48	61.55	75.19	-
November	67.51	61.44	63.76	65.12	-
December	56.45	53.47	58.25	53.87	-
4th quarter average	64.19	60.95	61.29	65.99	-
2018	67.94	65.09	65.43	63.62	-
2019					
January	57.97	50.60	57.15	56.19	-
February	62.01	W	59.71	60.36	-
March	W	W	63.17	62.40	-
1st quarter average	60.53	52.95	59.94	59.85	-
April	W	W	67.21	64.75	-
May	69.55	67.56	65.51	63.34	-
June	63.79	W	62.79	59.56	-
2nd quarter average	67.80	63.28	65.70	62.62	-
July	64.23	W	63.29	59.86	W
August	60.62	59.82	R60.42	52.03	W
September	60.01	R58.58	59.77	R58.19	-
3rd quarter average	61.88	R59.86	R61.41	R56.47	W
October	60.92	55.04	56.54	54.39	-

See footnotes at end of table.

**Table 27. Landed costs of imported crude oil for selected crude streams (cont.)**

dollars per barrel

Year quarter month	Nigerian Qua Iboe	Saudi Arabian Light	Saudi Arabian Medium	Saudi Arabian Berri	Venezuelan Merey
2005	-	52.92	48.92	-	-
2006	-	60.51	58.10	-	-
2007	-	71.62	70.09	-	-
2008	-	94.38	91.46	-	-
2009	68.26	63.10	61.87	59.72	60.15
2010	84.44	79.65	78.13	81.14	71.59
2011	117.02	109.43	107.12	110.77	100.36
2012	116.48	108.93	106.83	110.03	103.28
2013	112.47	103.44	101.44	107.00	100.69
2014	W	96.83	94.47	96.68	91.73
2015	W	50.00	48.66	52.83	45.77
2016	W	41.25	41.62	45.62	38.97
2017	W	53.27	51.60	52.68	47.38
2018					
January	W	65.72	62.32	W	W
February	W	65.47	64.58	66.71	W
March	-	66.73	66.64	W	W
1st quarter average	W	65.98	64.62	67.76	W
April	W	69.16	70.16	69.08	W
May	-	71.59	70.47	W	W
June	-	72.30	71.03	74.50	-
2nd quarter average	W	70.95	70.51	72.38	64.47
July	-	72.63	71.91	74.41	W
August	-	73.60	72.30	73.88	W
September	-	72.45	71.44	75.91	W
3rd quarter average	-	72.83	71.97	74.65	W
October	-	75.50	69.25	77.42	W
November	-	65.22	65.40	71.69	W
December	-	60.43	58.86	61.95	-
4th quarter average	-	67.29	65.62	70.71	64.43
2018	W	69.40	68.78	71.81	63.24
2019					
January	-	61.38	62.60	W	-
February	-	66.56	67.46	W	W
March	-	68.93	66.42	66.94	-
1st quarter average	-	64.87	65.38	62.49	W
April	-	W	67.16	72.41	-
May	W	W	W	W	-
June	W	W	63.53	W	-
2nd quarter average	W	W	65.28	70.87	-
July	-	W	W	W	-
August	W	R62.47	W	W	-
September	-	W	R59.71	W	-
3rd quarter average	W	R63.51	R60.42	W	-
October	-	W	-	W	-

- = No data reported.

W = Withheld to avoid disclosure of individual company data.

R = Revised data.

Notes: - Effective January 2009, selected crude streams were discontinued and new crude streams were added for publication. - Values reflect the month of acquisition, which can be the month of loading, the month of landing, or sometime between those events. Prices for crude oil can be determined at a time other than the acquisition date. See the Explanatory Notes section for additional detail. - Values for the current 2 months are preliminary. Values shown for previous months may be revised. Data through 2018 are final.

Sources: U.S. Energy Information Administration, Form EIA-856, *Monthly Foreign Crude Oil Acquisition Report*.

# Prices of Petroleum Products

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**Table 31. Refiner motor gasoline prices by grade, sales type, PAD District, and state**

dollars per gallon excluding taxes

Geographic area month	Regular			Midgrade			Premium			All grades		
	Sales to end users		Sales for resale	Sales to end users		Sales for resale	Sales to end users		Sales for resale	Sales to end users		Sales for resale
	Through retail outlets	Other end users[a]		Through retail outlets	Other end users[a]		Through retail outlets	Other end users[a]		Through retail outlets	Other end users[a]	
United States												
October 2019	2.192	1.817	1.816	2.662	NA	2.071	2.921	NA	2.265	2.297	NA	1.871
September 2019	2.152	1.824	1.800	2.553	2.145	2.042	2.792	NA	2.229	2.249	NA	1.854
October 2018	2.361	2.147	2.046	2.725	2.451	2.261	2.962	NA	2.419	2.445	2.172	2.090
PAD District 1												
October 2019	1.957	W	1.670	2.230	W	1.852	2.456	W	2.018	2.029	W	1.711
September 2019	1.971	W	1.676	2.253	NA	1.865	2.490	W	2.032	2.051	W	1.721
October 2018	2.211	W	1.952	2.466	W	2.137	2.684	W	2.291	2.277	W	1.992
Subdistrict 1A												
October 2019	W	W	1.716	W	-	1.954	W	-	2.012	W	W	1.758
September 2019	W	W	1.708	W	-	1.942	W	-	2.027	W	W	1.755
October 2018	W	W	1.985	W	-	2.166	W	-	2.253	W	W	2.020
Connecticut												
October 2019	-	W	1.711	-	-	1.854	-	-	2.031	-	W	1.761
September 2019	-	W	1.703	-	-	1.853	-	-	2.048	-	W	1.759
October 2018	-	W	1.985	-	-	2.125	-	-	2.287	-	W	2.029
Maine												
October 2019	-	-	1.778	-	-	W	-	-	2.122	-	-	1.808
September 2019	-	-	1.767	-	-	W	-	-	W	-	-	1.799
October 2018	-	-	2.051	-	-	W	-	-	W	-	-	2.074
Massachusetts												
October 2019	W	-	1.694	W	-	1.777	W	-	1.946	W	-	1.731
September 2019	W	-	1.685	W	-	1.787	W	-	1.977	W	-	1.728
October 2018	W	-	1.968	W	-	2.078	W	-	2.186	W	-	1.997
New Hampshire												
October 2019	W	-	W	W	-	-	W	-	W	W	-	W
September 2019	W	-	W	W	-	-	W	-	W	W	-	W
October 2018	W	-	W	W	-	-	W	-	W	W	-	W
Rhode Island												
October 2019	W	-	1.710	W	-	1.811	W	-	W	W	-	1.752
September 2019	W	-	1.705	W	-	W	W	-	W	W	-	1.748
October 2018	W	-	W	W	-	W	W	-	2.208	W	-	2.001
Vermont												
October 2019	-	-	1.727	-	-	W	-	-	2.105	-	-	W
September 2019	-	-	W	-	-	-	-	-	2.115	-	-	W
October 2018	-	-	1.975	-	-	W	-	-	2.290	-	-	W
Subdistrict 1B												
October 2019	2.030	-	1.689	2.286	-	1.824	2.490	-	2.012	2.107	-	1.734
September 2019	2.056	-	1.682	2.319	-	1.820	2.533	-	2.036	2.142	-	1.729
October 2018	2.242	-	1.954	2.475	-	2.089	2.674	-	2.244	2.314	-	1.991
Delaware												
October 2019	W	-	1.690	W	-	1.844	W	-	1.971	W	-	1.721
September 2019	W	-	1.673	W	-	1.836	W	-	1.985	W	-	1.707
October 2018	W	-	1.957	W	-	2.081	W	-	2.185	W	-	1.982
District of Columbia												
October 2019	-	-	-	-	-	-	-	-	-	-	-	-
September 2019	-	-	-	-	-	-	-	-	-	-	-	-
October 2018	-	-	-	-	-	-	-	-	-	-	-	-
Maryland												
October 2019	-	-	1.665	-	-	1.751	-	-	1.933	-	-	1.704
September 2019	-	-	1.665	-	-	1.767	-	-	1.960	-	-	1.709
October 2018	-	-	1.947	-	-	2.042	-	-	2.201	-	-	1.983
New Jersey												
October 2019	W	-	1.669	W	-	1.822	W	-	1.971	W	-	1.710
September 2019	W	-	1.658	W	-	1.810	W	-	2.000	W	-	1.701
October 2018	W	-	1.930	W	-	2.063	W	-	2.182	W	-	1.961
New York												
October 2019	2.105	-	1.735	2.350	-	2.040	2.549	-	2.092	2.180	-	1.797
September 2019	2.140	-	1.736	2.391	-	2.032	2.598	-	2.124	2.226	-	1.805
October 2018	2.279	-	1.997	2.501	-	2.296	2.701	-	2.337	2.353	-	2.052
Pennsylvania												
October 2019	W	-	1.684	W	-	1.849	W	-	2.019	W	-	1.720
September 2019	W	-	1.679	W	-	1.857	W	-	2.032	W	-	1.712
October 2018	W	-	1.945	W	-	2.087	W	-	2.229	W	-	1.971

See footnotes at end of table.

**Table 31. Refiner motor gasoline prices by grade, sales type, PAD District, and state (cont.)**

dollars per gallon excluding taxes

Geographic area month	Regular			Midgrade			Premium			All grades		
	Sales to end users		Sales for resale	Sales to end users		Sales for resale	Sales to end users		Sales for resale	Sales to end users		Sales for resale
	Through retail outlets	Other end users[a]		Through retail outlets	Other end users[a]		Through retail outlets	Other end users[a]		Through retail outlets	Other end users[a]	
Subdistrict 1C												
October 2019	W	W	1.654	W	W	1.853	W	W	2.024	W	W	1.698
September 2019	W	W	1.669	W	NA	1.872	W	W	2.030	W	W	1.712
October 2018	W	W	1.946	W	W	2.150	W	W	2.328	W	W	1.989
Florida												
October 2019	W	1.699	1.669	W	-	1.865	W	NA	2.023	W	1.710	1.714
September 2019	W	1.746	1.691	W	-	1.878	W	NA	2.029	W	1.753	1.736
October 2018	W	2.019	1.976	W	-	2.213	W	W	2.363	W	2.025	2.024
Georgia												
October 2019	W	W	1.641	W	-	1.817	W	-	2.050	W	W	1.687
September 2019	W	W	1.657	W	-	1.851	W	-	2.057	W	W	1.702
October 2018	W	W	1.931	W	-	2.103	W	-	2.342	W	W	1.977
North Carolina												
October 2019	W	W	1.641	W	-	1.879	W	W	2.023	W	W	1.685
September 2019	W	W	1.649	W	-	1.895	W	W	2.024	W	W	1.694
October 2018	W	W	1.922	W	-	2.153	W	W	2.319	W	W	1.965
South Carolina												
October 2019	W	W	1.644	W	W	1.884	W	W	2.059	W	W	1.683
September 2019	W	NA	1.649	W	NA	1.912	W	W	2.057	W	W	1.690
October 2018	W	W	1.917	W	W	2.166	W	W	2.316	W	W	1.953
Virginia												
October 2019	-	W	1.661	-	-	1.794	-	W	1.981	-	W	1.702
September 2019	-	W	1.667	-	-	1.804	-	W	1.990	-	W	1.708
October 2018	-	-	1.949	-	-	2.070	-	-	2.254	-	-	1.986
West Virginia												
October 2019	W	-	1.667	W	-	1.922	W	-	2.035	W	-	1.697
September 2019	W	-	1.729	W	-	1.986	W	-	NA	W	-	1.749
October 2018	W	W	1.973	W	-	2.165	W	-	2.328	W	W	1.993
PAD District 2												
October 2019	W	1.812	1.667	W	W	1.848	W	W	2.063	W	1.833	1.701
September 2019	W	1.871	1.714	W	W	1.892	W	W	2.151	W	1.888	1.753
October 2018	W	2.094	1.953	2.473	W	2.103	W	2.450	2.299	W	2.121	1.981
Illinois												
October 2019	W	1.839	1.625	W	-	1.802	W	W	2.038	W	1.822	1.665
September 2019	W	1.905	1.698	W	-	1.868	W	W	2.127	W	1.881	1.741
October 2018	W	2.181	1.940	W	-	2.088	W	-	2.280	W	2.181	1.973
Indiana												
October 2019	W	W	1.639	W	-	1.887	W	-	2.088	W	W	1.671
September 2019	W	W	1.689	W	-	1.877	W	-	2.168	W	W	1.724
October 2018	W	W	1.931	W	-	2.109	W	W	2.325	W	W	1.957
Iowa												
October 2019	-	W	1.710	-	-	1.859	-	-	2.014	-	W	1.736
September 2019	-	W	1.730	-	-	1.897	-	-	2.146	-	W	1.767
October 2018	-	W	1.991	-	-	2.103	-	-	2.307	-	W	2.022
Kansas												
October 2019	W	W	1.676	W	W	1.808	-	-	1.950	W	W	1.697
September 2019	W	W	1.704	W	W	1.863	-	-	2.041	W	W	1.733
October 2018	W	W	1.956	W	W	2.070	-	-	2.170	W	W	1.973
Kentucky												
October 2019	W	W	1.685	W	-	1.893	W	NA	2.112	W	W	1.711
September 2019	W	W	1.701	W	-	1.920	W	NA	2.133	W	W	1.728
October 2018	W	W	1.981	W	-	2.142	W	W	2.373	W	W	2.004
Michigan												
October 2019	W	W	1.662	W	-	2.006	W	W	2.201	W	W	1.695
September 2019	W	W	1.748	W	-	2.111	W	W	2.313	W	W	1.785
October 2018	W	W	1.940	W	-	2.243	W	W	2.424	W	W	1.969
Minnesota												
October 2019	W	W	1.721	W	W	1.849	W	W	2.020	W	W	1.749
September 2019	W	W	1.743	W	W	1.897	W	W	2.129	W	W	1.781
October 2018	2.320	W	1.988	2.536	W	2.063	W	W	2.228	2.364	W	2.009
Missouri												
October 2019	-	W	1.696	-	-	1.845	-	-	2.045	-	W	1.725
September 2019	-	W	1.711	-	-	1.924	-	-	2.113	-	W	1.746
October 2018	-	W	1.970	-	-	2.099	-	-	2.260	-	W	1.992

See footnotes at end of table.

**Table 31. Refiner motor gasoline prices by grade, sales type, PAD District, and state (cont.)**

dollars per gallon excluding taxes

Geographic area month	Regular			Midgrade			Premium			All grades		
	Sales to end users		Sales for resale	Sales to end users		Sales for resale	Sales to end users		Sales for resale	Sales to end users		Sales for resale
	Through retail outlets	Other end users[a]		Through retail outlets	Other end users[a]		Through retail outlets	Other end users[a]		Through retail outlets	Other end users[a]	
PAD District 2 (cont.)												
Nebraska												
October 2019	W	W	1.720	W	W	1.851	-	-	2.047	W	W	1.751
September 2019	W	W	1.742	W	W	1.891	-	-	2.170	W	W	1.786
October 2018	W	W	1.992	W	-	2.109	-	-	2.275	W	W	2.020
North Dakota												
October 2019	W	W	1.805	W	W	1.937	W	W	2.316	W	W	1.856
September 2019	W	W	1.834	W	W	1.952	W	W	2.370	W	W	1.891
October 2018	W	W	2.002	W	W	2.149	W	W	2.388	W	W	2.038
Ohio												
October 2019	W	W	1.680	W	-	1.955	W	W	2.181	W	W	1.715
September 2019	W	W	1.742	W	-	2.024	W	W	2.262	W	W	1.780
October 2018	W	W	1.940	W	-	2.184	W	W	2.369	W	W	1.971
Oklahoma												
October 2019	W	W	1.705	W	-	1.839	W	-	1.916	W	W	1.737
September 2019	W	W	1.740	W	-	1.906	W	-	2.093	W	W	1.800
October 2018	W	W	1.995	W	-	2.137	W	-	2.209	W	W	2.023
South Dakota												
October 2019	W	W	1.739	W	W	1.858	W	W	2.117	W	W	1.772
September 2019	W	W	1.760	W	W	1.892	W	-	2.169	W	W	1.800
October 2018	W	W	2.047	W	W	2.105	W	W	2.334	W	W	2.071
Tennessee												
October 2019	W	W	1.629	W	-	1.795	W	NA	1.998	W	W	1.663
September 2019	W	W	1.640	W	-	1.799	W	NA	2.002	W	W	1.673
October 2018	W	W	1.914	W	-	2.072	W	W	2.265	W	W	1.945
Wisconsin												
October 2019	W	W	1.648	W	W	1.822	W	W	2.160	W	W	1.689
September 2019	W	W	1.721	W	W	1.908	W	W	2.257	W	W	1.768
October 2018	W	W	1.969	W	-	2.098	W	W	2.378	W	W	1.999
PAD District 3												
October 2019	2.079	1.682	1.641	2.402	W	1.815	2.654	W	1.943	2.147	1.730	1.671
September 2019	2.106	W	1.664	2.428	W	1.841	2.703	W	1.966	2.178	W	1.693
October 2018	2.377	W	1.961	2.629	W	2.095	2.872	2.355	2.223	2.434	W	1.985
Alabama												
October 2019	W	W	1.636	W	-	1.832	W	W	2.077	W	W	1.674
September 2019	W	W	1.642	W	-	1.848	W	W	2.072	W	W	1.679
October 2018	-	W	1.924	-	-	2.195	-	W	2.353	-	W	1.961
Arkansas												
October 2019	-	-	1.674	-	-	1.843	-	-	2.000	-	-	1.700
September 2019	-	-	1.680	-	-	1.851	-	-	2.046	-	-	1.711
October 2018	-	-	1.961	-	-	2.141	-	-	2.269	-	-	1.985
Louisiana												
October 2019	-	W	1.635	-	-	1.782	-	-	1.918	-	W	1.658
September 2019	-	W	1.636	-	-	1.788	-	-	1.937	-	W	1.660
October 2018	-	W	1.961	-	-	2.064	-	-	2.188	-	W	1.985
Mississippi												
October 2019	-	-	1.655	-	-	1.843	-	-	2.050	-	-	1.680
September 2019	-	-	1.655	-	-	1.855	-	-	2.043	-	-	1.681
October 2018	-	-	1.973	-	-	2.116	-	-	2.333	-	-	1.994
New Mexico												
October 2019	W	W	1.840	W	-	1.987	2.725	W	2.197	W	W	1.885
September 2019	W	W	1.868	W	-	2.043	2.698	W	2.270	W	W	1.919
October 2018	2.388	W	2.058	2.617	-	2.184	W	W	2.401	2.452	W	2.099
Texas												
October 2019	1.996	W	1.631	2.320	W	1.787	2.594	W	1.910	2.059	W	1.661
September 2019	2.061	W	1.664	2.404	W	1.819	2.713	-	1.933	2.131	W	1.693
October 2018	W	W	1.960	W	W	2.055	W	-	2.197	W	W	1.981

See footnotes at end of table.



**Table 31. Refiner motor gasoline prices by grade, sales type, PAD District, and state (cont.)**

dollars per gallon excluding taxes

Geographic area month	Regular			Midgrade			Premium			All grades			
	Sales to end users		Sales for resale	Sales to end users		Sales for resale	Sales to end users		Sales for resale	Sales to end users		Sales for resale	
	Through retail outlets	Other end users[a]		Through retail outlets	Other end users[a]		Through retail outlets	Other end users[a]		Through retail outlets	Other end users[a]		
PAD District 4													
October 2019	W	2.092	1.983	W	W	2.176	2.806	W	2.338	W	2.154	2.050	
September 2019	W	2.125	1.915	W	W	2.156	2.748	W	2.290	W	2.197	1.988	
October 2018	W	2.386	2.173	2.733	W	2.402	3.010	W	2.509	W	2.434	2.234	
Colorado													
October 2019	W	2.214	2.037	2.575	W	2.249	W	-	2.443	2.453	2.197	2.111	
September 2019	W	2.226	1.958	2.506	W	2.188	W	W	2.392	2.383	2.213	2.041	
October 2018	W	2.428	2.141	2.768	W	2.364	W	W	2.540	2.623	2.448	2.211	
Idaho													
October 2019	W	W	2.064	W	W	2.249	W	W	2.357	W	W	2.108	
September 2019	W	W	1.941	W	W	2.199	W	W	2.248	W	W	1.990	
October 2018	W	W	2.290	W	W	2.403	W	NA	2.534	W	W	2.325	
Montana													
October 2019	W	W	1.915	W	W	2.078	W	W	2.391	W	W	1.992	
September 2019	W	W	1.886	W	W	2.071	W	W	2.363	W	W	1.967	
October 2018	W	W	2.172	W	W	W	W	W	2.629	W	W	2.241	
Utah													
October 2019	W	W	1.917	W	W	2.184	W	-	2.203	W	W	1.987	
September 2019	W	W	1.866	W	W	2.178	W	-	2.156	W	W	1.935	
October 2018	W	W	2.190	W	W	2.475	W	-	2.430	W	W	2.246	
Wyoming													
October 2019	W	W	1.888	W	-	1.966	W	-	2.291	W	W	1.947	
September 2019	W	W	1.855	W	-	1.976	W	-	2.256	W	W	1.920	
October 2018	W	W	2.091	W	-	2.290	W	-	W	W	W	2.147	
PAD District 5													
October 2019	3.059	NA	2.494	3.377	NA	2.722	3.521	NA	2.825	3.172	NA	2.556	
September 2019	2.721	NA	2.287	2.995	2.597	2.491	3.149	NA	2.600	2.828	NA	2.349	
October 2018	2.905	2.538	2.436	3.103	2.728	2.627	3.259	2.765	2.708	2.986	2.558	2.487	
Alaska													
October 2019	W	W	W	W	-	W	W	W	2.545	W	W	W	
September 2019	W	W	W	W	-	W	W	W	2.443	W	W	W	
October 2018	W	W	W	W	-	W	W	W	2.716	W	W	W	
Arizona													
October 2019	W	W	2.036	W	W	NA	W	W	2.383	W	W	2.078	
September 2019	W	W	2.037	W	W	NA	W	W	2.344	W	W	2.076	
October 2018	W	W	2.216	W	W	2.476	W	W	2.477	W	W	2.248	
California													
October 2019	3.283	2.715	2.707	3.489	W	2.875	3.626	-	2.972	3.375	NA	2.764	
September 2019	2.858	W	2.462	3.065	-	2.588	3.201	-	2.719	2.953	W	2.519	
October 2018	2.987	NA	2.527	3.160	W	2.661	3.294	-	2.766	3.066	NA	2.578	
Hawaii													
October 2019	W	W	W	W	W	W	W	W	W	W	W	W	
September 2019	W	W	W	W	W	W	W	W	W	W	W	W	
October 2018	W	W	W	W	W	W	W	W	W	W	W	W	
Nevada													
October 2019	W	W	2.339	W	-	2.599	W	-	2.616	W	W	2.396	
September 2019	W	W	2.169	W	-	2.361	W	-	2.413	W	W	2.223	
October 2018	W	W	2.300	W	-	2.499	W	-	2.536	W	W	2.349	
Oregon													
October 2019	2.684	-	2.274	2.868	-	2.456	2.987	-	2.544	2.731	-	2.306	
September 2019	2.487	-	2.009	2.692	-	2.209	2.818	-	2.306	2.541	-	2.046	
October 2018	2.776	-	2.299	2.968	-	2.484	3.100	-	2.574	2.825	-	2.330	
Washington													
October 2019	2.506	W	2.237	2.741	W	2.475	2.909	W	2.555	2.566	W	2.290	
September 2019	2.296	W	1.987	2.550	W	2.240	2.731	W	2.330	2.362	W	2.047	
October 2018	2.662	W	2.368	2.892	W	2.581	3.122	W	2.670	2.728	W	2.418	

- = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

[a] Sales to "other end users" are all end-user sales that were not made through company-operated retail outlets, e.g., sales to agricultural customers or utilities.

Notes: - Values shown for the current month are preliminary. Values shown for previous months may be revised. Data through 2019 are final.

Sources: - U.S. Energy Information Administration Form EIA-782A, Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report.

**Table 32. Refiner prices of aviation fuels and kerosene by PAD District and state**

dollars per gallon excluding taxes

Geographic area month	Aviation gasoline		Kerosene-type jet fuel		Kerosene	
	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale
<b>United States</b>						
October 2019	W	2.857	1.968	1.931	W	2.003
September 2019	W	2.829	1.937	1.898	3.203	1.984
October 2018	W	3.099	2.349	2.296	W	2.437
<b>PAD District 1</b>						
October 2019	W	2.877	1.974	1.966	3.051	2.082
September 2019	W	2.893	1.934	1.922	2.955	2.060
October 2018	W	3.170	2.327	2.310	W	2.482
<b>Subdistrict 1A</b>						
October 2019	-	W	2.063	2.004	W	-
September 2019	W	W	2.004	1.956	W	-
October 2018	-	W	2.387	2.332	W	-
<b>Connecticut</b>						
October 2019	-	-	W	W	-	-
September 2019	-	-	W	W	-	-
October 2018	-	-	W	W	-	-
<b>Maine</b>						
October 2019	-	W	W	W	-	-
September 2019	W	W	W	W	-	-
October 2018	-	W	W	W	-	-
<b>Massachusetts</b>						
October 2019	-	-	W	1.996	W	-
September 2019	-	-	W	1.953	W	-
October 2018	-	-	W	2.328	W	-
<b>New Hampshire</b>						
October 2019	-	-	W	-	W	-
September 2019	-	-	W	-	W	-
October 2018	-	-	W	W	W	-
<b>Rhode Island</b>						
October 2019	-	-	W	W	W	-
September 2019	-	-	W	W	W	-
October 2018	-	-	W	W	W	-
<b>Vermont</b>						
October 2019	-	-	W	W	-	-
September 2019	-	-	W	W	-	-
October 2018	-	-	W	W	-	-
<b>Subdistrict 1B</b>						
October 2019	W	2.953	1.988	1.955	3.116	2.040
September 2019	-	3.068	1.935	1.912	2.892	2.047
October 2018	W	3.236	2.326	2.288	3.194	2.442
<b>Delaware</b>						
October 2019	-	-	-	-	W	-
September 2019	-	-	-	-	W	W
October 2018	-	-	-	W	W	W
<b>District of Columbia</b>						
October 2019	-	-	-	-	-	-
September 2019	-	-	-	-	-	-
October 2018	-	-	-	-	-	-
<b>Maryland</b>						
October 2019	-	-	W	W	-	W
September 2019	-	-	W	1.924	-	W
October 2018	-	-	W	2.311	-	W
<b>New Jersey</b>						
October 2019	-	-	1.976	1.957	W	W
September 2019	-	-	1.932	1.914	W	2.037
October 2018	-	-	2.321	2.283	W	2.441
<b>New York</b>						
October 2019	-	W	2.004	2.059	W	2.192
September 2019	-	W	1.944	2.008	W	2.204
October 2018	-	W	2.333	2.383	W	2.564
<b>Pennsylvania</b>						
October 2019	W	W	W	1.946	2.953	W
September 2019	-	W	W	1.904	2.575	W
October 2018	W	W	W	2.312	3.270	W

See footnotes at end of table.

**Table 32. Refiner prices of aviation fuels and kerosene by PAD District and state (cont.)**

dollars per gallon excluding taxes

Geographic area month	Aviation gasoline		Kerosene-type jet fuel		Kerosene	
	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale
<b>Subdistrict 1C</b>						
October 2019	W	2.841	1.955	1.972	W	2.335
September 2019	W	2.802	1.929	1.940	W	W
October 2018	W	3.141	2.323	2.341	W	2.724
<b>Florida</b>						
October 2019	-	2.795	1.968	1.941	W	-
September 2019	-	2.749	1.936	1.926	W	-
October 2018	-	3.097	2.324	2.351	W	-
<b>Georgia</b>						
October 2019	W	W	W	1.946	-	W
September 2019	W	W	W	1.935	-	W
October 2018	W	W	W	2.276	-	W
<b>North Carolina</b>						
October 2019	-	W	W	2.105	W	2.321
September 2019	-	W	W	1.979	W	W
October 2018	-	W	W	2.315	W	W
<b>South Carolina</b>						
October 2019	-	-	W	1.955	W	W
September 2019	-	-	W	1.932	W	W
October 2018	-	-	W	2.351	W	W
<b>Virginia</b>						
October 2019	-	W	1.919	2.081	-	W
September 2019	-	W	1.898	1.997	-	W
October 2018	-	W	2.308	W	-	W
<b>West Virginia</b>						
October 2019	-	-	-	W	W	-
September 2019	-	-	-	W	W	-
October 2018	-	-	W	W	W	-
<b>PAD District 2</b>						
October 2019	W	2.860	1.938	1.923	W	2.602
September 2019	W	2.868	1.910	1.913	W	2.487
October 2018	W	3.139	2.358	2.318	W	2.787
<b>Illinois</b>						
October 2019	W	W	1.939	W	W	W
September 2019	W	W	1.901	W	W	W
October 2018	W	W	2.409	W	W	W
<b>Indiana</b>						
October 2019	-	-	1.913	1.926	W	2.666
September 2019	-	-	1.886	1.886	W	W
October 2018	-	-	2.345	2.359	W	2.965
<b>Iowa</b>						
October 2019	-	-	W	1.979	-	W
September 2019	-	-	W	1.977	-	W
October 2018	-	-	W	2.376	-	-
<b>Kansas</b>						
October 2019	W	W	W	W	-	W
September 2019	W	W	W	W	-	W
October 2018	W	W	W	W	-	W
<b>Kentucky</b>						
October 2019	-	W	1.937	1.927	W	W
September 2019	W	W	1.924	1.917	W	W
October 2018	-	W	2.316	W	W	W
<b>Michigan</b>						
October 2019	-	-	W	1.905	W	W
September 2019	-	-	W	1.889	W	W
October 2018	W	-	W	2.305	W	W
<b>Minnesota</b>						
October 2019	W	W	1.934	1.908	W	W
September 2019	W	W	1.946	1.920	W	W
October 2018	W	W	2.322	W	W	W
<b>Missouri</b>						
October 2019	W	W	W	W	-	W
September 2019	W	W	W	W	-	-
October 2018	W	W	W	W	-	W

See footnotes at end of table.

**Table 32. Refiner prices of aviation fuels and kerosene by PAD District and state (cont.)**

dollars per gallon excluding taxes

Geographic area month	Aviation gasoline		Kerosene-type jet fuel		Kerosene	
	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale
<b>PAD District 2 (cont.)</b>						
<b>Nebraska</b>						
October 2019	W	-	W	W	-	-
September 2019	W	-	W	W	-	-
October 2018	W	-	W	W	-	-
<b>North Dakota</b>						
October 2019	-	-	W	W	W	-
September 2019	-	-	W	W	W	-
October 2018	-	-	W	W	W	-
<b>Ohio</b>						
October 2019	W	W	1.969	1.892	W	W
September 2019	W	W	1.954	1.885	W	W
October 2018	W	W	2.368	2.290	W	W
<b>Oklahoma</b>						
October 2019	W	-	W	1.927	-	W
September 2019	W	-	W	1.898	-	W
October 2018	W	-	W	2.352	-	W
<b>South Dakota</b>						
October 2019	-	-	W	-	-	-
September 2019	-	-	W	-	-	-
October 2018	W	-	W	-	-	-
<b>Tennessee</b>						
October 2019	W	2.876	W	1.958	W	W
September 2019	W	W	W	1.920	W	W
October 2018	W	3.154	W	2.336	W	W
<b>Wisconsin</b>						
October 2019	-	-	W	1.966	W	-
September 2019	-	-	W	1.931	W	W
October 2018	-	-	2.430	W	W	W
<b>PAD District 3</b>						
October 2019	W	2.593	1.933	1.882	-	1.911
September 2019	W	2.550	1.932	1.868	-	1.924
October 2018	W	2.929	2.321	2.258	-	2.313
<b>Alabama</b>						
October 2019	-	W	1.954	1.938	-	W
September 2019	-	W	1.913	1.919	-	W
October 2018	-	W	2.344	2.335	-	W
<b>Arkansas</b>						
October 2019	W	-	W	1.993	-	-
September 2019	-	-	W	1.962	-	-
October 2018	-	-	W	2.420	-	-
<b>Louisiana</b>						
October 2019	-	2.641	1.915	1.882	-	W
September 2019	-	2.583	1.872	1.873	-	W
October 2018	W	3.014	2.277	2.243	-	W
<b>Mississippi</b>						
October 2019	-	W	1.861	1.864	-	W
September 2019	-	W	1.872	1.848	-	-
October 2018	-	W	2.278	2.242	-	W
<b>New Mexico</b>						
October 2019	W	-	W	W	-	-
September 2019	W	-	W	W	-	-
October 2018	W	-	W	W	-	-
<b>Texas</b>						
October 2019	W	2.591	1.950	1.884	-	W
September 2019	W	W	1.971	1.869	-	W
October 2018	W	W	2.336	2.268	-	W

See footnotes at end of table.

**Table 32. Refiner prices of aviation fuels and kerosene by PAD District and state (cont.)**

dollars per gallon excluding taxes

Geographic area month	Aviation gasoline		Kerosene-type jet fuel		Kerosene	
	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale
<b>PAD District 4</b>						
October 2019	W	W	2.111	2.034	W	-
September 2019	W	W	2.065	1.990	-	-
October 2018	W	W	2.440	2.399	W	-
<b>Colorado</b>						
October 2019	W	-	1.985	1.976	-	-
September 2019	W	-	1.959	1.945	-	-
October 2018	W	-	2.380	2.363	-	-
<b>Idaho</b>						
October 2019	-	-	W	2.225	W	-
September 2019	-	-	W	2.178	-	-
October 2018	-	-	W	2.512	W	-
<b>Montana</b>						
October 2019	W	W	W	W	-	-
September 2019	W	W	W	W	-	-
October 2018	-	W	W	W	-	-
<b>Utah</b>						
October 2019	W	W	2.185	2.178	-	-
September 2019	W	W	2.122	2.101	-	-
October 2018	W	W	2.460	2.475	-	-
<b>Wyoming</b>						
October 2019	-	-	W	W	-	-
September 2019	-	-	W	W	-	-
October 2018	-	-	W	W	-	-
<b>PAD District 5</b>						
October 2019	W	3.183	1.985	1.988	W	W
September 2019	W	3.136	1.945	1.921	W	W
October 2018	W	3.142	2.360	2.343	-	W
<b>Alaska</b>						
October 2019	W	W	W	W	-	-
September 2019	W	W	W	W	-	-
October 2018	W	W	W	W	-	-
<b>Arizona</b>						
October 2019	W	W	W	2.039	-	-
September 2019	W	W	W	1.972	-	-
October 2018	W	W	2.391	2.387	-	-
<b>California</b>						
October 2019	W	3.259	1.988	1.980	W	W
September 2019	-	3.119	1.942	1.909	W	W
October 2018	W	W	2.352	2.325	-	W
<b>Hawaii</b>						
October 2019	-	-	W	W	-	-
September 2019	-	-	W	W	-	-
October 2018	-	W	W	W	-	-
<b>Nevada</b>						
October 2019	-	-	W	W	-	-
September 2019	-	-	W	W	-	-
October 2018	-	-	W	2.369	-	-
<b>Oregon</b>						
October 2019	-	3.627	2.040	W	-	-
September 2019	-	3.235	1.961	W	-	-
October 2018	-	3.452	2.403	2.387	-	-
<b>Washington</b>						
October 2019	-	W	1.978	1.989	-	-
September 2019	-	W	1.925	1.904	-	-
October 2018	-	W	2.342	2.384	-	-

- = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

Notes: Values shown for the current month are preliminary. Values shown for previous months may be revised. Data through 2019 are final.

Sources: - U.S. Energy Information Administration Form EIA-782A, Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report.

**Table 33. Refiner prices of distillate fuels by PAD District and state**

dollars per gallon excluding taxes

Geographic area month	No. 1 distillate		No. 2 distillate[a]		No. 4 fuel[b]	
	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale
<b>United States</b>						
October 2019	2.527	2.369	2.134	1.982	-	W
September 2019	2.348	2.264	2.102	1.954	-	W
October 2018	2.850	2.665	2.501	2.373	-	W
<b>PAD District 1</b>						
October 2019	-	W	2.143	1.952	-	-
September 2019	-	W	2.168	1.944	-	-
October 2018	-	W	2.514	2.340	-	-
<b>Subdistrict 1A</b>						
October 2019	-	-	W	1.977	-	-
September 2019	-	-	W	1.968	-	-
October 2018	-	-	W	2.353	-	-
<b>Connecticut</b>						
October 2019	-	-	W	1.969	-	-
September 2019	-	-	W	1.961	-	-
October 2018	-	-	W	2.327	-	-
<b>Maine</b>						
October 2019	-	-	-	2.007	-	-
September 2019	-	-	-	1.982	-	-
October 2018	-	-	-	W	-	-
<b>Massachusetts</b>						
October 2019	-	-	W	1.979	-	-
September 2019	-	-	W	1.967	-	-
October 2018	-	-	W	2.371	-	-
<b>New Hampshire</b>						
October 2019	-	-	W	W	-	-
September 2019	-	-	W	W	-	-
October 2018	-	-	W	W	-	-
<b>Rhode Island</b>						
October 2019	-	-	W	1.955	-	-
September 2019	-	-	W	1.967	-	-
October 2018	-	-	W	NA	-	-
<b>Vermont</b>						
October 2019	-	-	-	W	-	-
September 2019	-	-	-	W	-	-
October 2018	-	-	W	W	-	-
<b>Subdistrict 1B</b>						
October 2019	-	W	W	1.948	-	-
September 2019	-	W	W	1.928	-	-
October 2018	-	W	W	2.327	-	-
<b>Delaware</b>						
October 2019	-	-	W	1.936	-	-
September 2019	-	-	W	1.949	-	-
October 2018	-	-	W	W	-	-
<b>District of Columbia</b>						
October 2019	-	-	-	W	-	-
September 2019	-	-	-	W	-	-
October 2018	-	-	-	W	-	-
<b>Maryland</b>						
October 2019	-	-	W	1.948	-	-
September 2019	-	-	W	1.949	-	-
October 2018	-	-	W	2.331	-	-
<b>New Jersey</b>						
October 2019	-	-	2.119	1.930	-	-
September 2019	-	-	2.147	1.905	-	-
October 2018	-	-	2.542	2.318	-	-
<b>New York</b>						
October 2019	-	W	2.451	2.019	-	-
September 2019	-	W	2.444	2.005	-	-
October 2018	-	W	2.651	2.374	-	-
<b>Pennsylvania</b>						
October 2019	-	W	2.201	1.958	-	-
September 2019	-	W	2.249	1.935	-	-
October 2018	-	W	2.505	2.324	-	-

See footnotes at end of table.

**Table 33. Refiner prices of distillate fuels by PAD District and state (cont.)**

dollars per gallon excluding taxes

Geographic area month	No. 1 distillate		No. 2 distillate[a]		No. 4 fuel[b]	
	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale
<b>Subdistrict 1C</b>						
October 2019	-	W	2.076	1.952	-	-
September 2019	-	W	2.101	1.958	-	-
October 2018	-	W	2.484	2.355	-	-
<b>Florida</b>						
October 2019	-	-	2.085	1.966	-	-
September 2019	-	-	2.086	1.991	-	-
October 2018	-	-	2.507	2.382	-	-
<b>Georgia</b>						
October 2019	-	W	1.973	1.941	-	-
September 2019	-	W	2.025	1.929	-	-
October 2018	-	W	2.371	2.349	-	-
<b>North Carolina</b>						
October 2019	-	-	2.105	1.935	-	-
September 2019	-	-	2.134	1.944	-	-
October 2018	-	-	2.483	2.334	-	-
<b>South Carolina</b>						
October 2019	-	-	W	1.944	-	-
September 2019	-	-	W	1.941	-	-
October 2018	-	-	W	2.333	-	-
<b>Virginia</b>						
October 2019	-	-	1.937	1.946	-	-
September 2019	-	-	1.972	1.949	-	-
October 2018	-	-	W	2.336	-	-
<b>West Virginia</b>						
October 2019	-	-	W	1.997	-	-
September 2019	-	-	W	1.996	-	-
October 2018	-	-	W	2.387	-	-
<b>PAD District 2</b>						
October 2019	2.525	2.307	2.028	1.937	-	-
September 2019	2.390	2.240	2.031	1.904	-	-
October 2018	2.938	2.653	2.488	2.391	-	-
<b>Illinois</b>						
October 2019	W	2.246	2.028	1.875	-	-
September 2019	W	W	2.025	1.799	-	-
October 2018	W	2.715	2.593	2.366	-	-
<b>Indiana</b>						
October 2019	-	W	W	1.915	-	-
September 2019	-	W	W	1.834	-	-
October 2018	-	W	W	2.374	-	-
<b>Iowa</b>						
October 2019	-	2.263	2.017	1.971	-	-
September 2019	-	2.240	2.047	1.982	-	-
October 2018	-	2.620	2.478	2.437	-	-
<b>Kansas</b>						
October 2019	W	2.261	1.897	1.933	-	-
September 2019	W	2.106	W	1.954	-	-
October 2018	W	2.616	2.375	2.393	-	-
<b>Kentucky</b>						
October 2019	-	W	2.049	2.006	-	-
September 2019	W	W	2.026	1.979	-	-
October 2018	W	W	2.461	2.406	-	-
<b>Michigan</b>						
October 2019	W	2.766	2.240	1.939	-	-
September 2019	W	2.498	2.276	1.874	-	-
October 2018	W	W	2.611	2.398	-	-
<b>Minnesota</b>						
October 2019	W	2.345	2.127	2.020	-	-
September 2019	W	2.408	2.118	2.023	-	-
October 2018	W	2.705	2.558	2.492	-	-
<b>Missouri</b>						
October 2019	W	2.322	NA	1.954	-	-
September 2019	W	W	NA	1.958	-	-
October 2018	W	2.700	2.389	2.414	-	-

See footnotes at end of table.

**Table 33. Refiner prices of distillate fuels by PAD District and state (cont.)**

dollars per gallon excluding taxes

Geographic area month	No. 1 distillate		No. 2 distillate[a]		No. 4 fuel[b]	
	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale
<b>PAD District 2 (cont.)</b>						
<b>Nebraska</b>						
October 2019	W	2.338	W	1.978	-	-
September 2019	W	W	W	1.984	-	-
October 2018	W	2.689	W	2.441	-	-
<b>North Dakota</b>						
October 2019	W	2.286	W	1.955	-	-
September 2019	W	W	W	1.960	-	-
October 2018	W	2.628	W	2.437	-	-
<b>Ohio</b>						
October 2019	-	W	2.053	1.952	-	-
September 2019	-	W	2.053	1.869	-	-
October 2018	-	W	2.531	2.377	-	-
<b>Oklahoma</b>						
October 2019	-	W	1.958	1.906	-	-
September 2019	-	W	1.990	1.921	-	-
October 2018	-	W	W	2.359	-	-
<b>South Dakota</b>						
October 2019	W	2.356	W	2.002	-	-
September 2019	W	W	W	2.009	-	-
October 2018	W	2.692	W	2.459	-	-
<b>Tennessee</b>						
October 2019	-	W	1.970	1.949	-	-
September 2019	-	W	2.069	1.955	-	-
October 2018	-	W	2.461	2.343	-	-
<b>Wisconsin</b>						
October 2019	W	2.356	2.159	1.940	-	-
September 2019	W	W	2.087	1.860	-	-
October 2018	W	2.606	2.636	2.412	-	-
<b>PAD District 3</b>						
October 2019	-	-	2.006	1.912	-	W
September 2019	-	-	2.004	1.907	-	W
October 2018	-	W	2.391	2.315	-	W
<b>Alabama</b>						
October 2019	-	-	1.961	1.930	-	-
September 2019	-	-	1.988	1.933	-	-
October 2018	-	-	2.397	2.325	-	-
<b>Arkansas</b>						
October 2019	-	-	W	1.942	-	-
September 2019	-	-	W	1.964	-	-
October 2018	-	-	W	2.367	-	-
<b>Louisiana</b>						
October 2019	-	-	2.078	1.900	-	-
September 2019	-	-	2.075	1.870	-	-
October 2018	-	W	2.419	2.285	-	-
<b>Mississippi</b>						
October 2019	-	-	W	1.908	-	-
September 2019	-	-	W	1.929	-	-
October 2018	-	-	W	2.319	-	-
<b>New Mexico</b>						
October 2019	-	-	2.177	2.059	-	-
September 2019	-	-	2.181	2.053	-	-
October 2018	-	-	2.489	2.456	-	-
<b>Texas</b>						
October 2019	-	-	1.977	1.909	-	W
September 2019	-	-	1.978	1.913	-	W
October 2018	-	-	2.370	2.316	-	W

See footnotes at end of table.



**Table 33. Refiner prices of distillate fuels by PAD District and state (cont.)**

dollars per gallon excluding taxes

Geographic area month	No. 1 distillate		No. 2 distillate[a]		No. 4 fuel[b]	
	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale
<b>PAD District 4</b>						
October 2019	W	2.531	2.154	2.155	-	-
September 2019	W	2.411	2.095	2.092	-	-
October 2018	3.179	2.790	2.538	2.507	-	-
<b>Colorado</b>						
October 2019	W	2.509	2.187	2.115	-	-
September 2019	-	2.371	2.154	2.105	-	-
October 2018	-	2.763	2.483	2.451	-	-
<b>Idaho</b>						
October 2019	W	2.842	2.296	2.173	-	-
September 2019	W	2.662	2.220	2.036	-	-
October 2018	W	2.751	2.584	2.564	-	-
<b>Montana</b>						
October 2019	W	2.319	W	2.024	-	-
September 2019	W	2.327	W	1.996	-	-
October 2018	W	2.723	W	2.520	-	-
<b>Utah</b>						
October 2019	W	2.943	2.119	2.185	-	-
September 2019	W	W	2.073	2.089	-	-
October 2018	-	W	2.611	2.588	-	-
<b>Wyoming</b>						
October 2019	-	2.579	2.082	2.311	-	-
September 2019	-	2.519	2.039	2.197	-	-
October 2018	W	2.766	2.429	2.456	-	-
<b>PAD District 5</b>						
October 2019	W	2.398	2.358	2.266	-	-
September 2019	W	2.252	2.295	2.138	-	-
October 2018	W	2.629	2.616	2.488	-	-
<b>Alaska</b>						
October 2019	W	W	W	W	-	-
September 2019	W	W	W	W	-	-
October 2018	W	W	W	W	-	-
<b>Arizona</b>						
October 2019	-	-	2.141	2.083	-	-
September 2019	-	-	2.127	2.018	-	-
October 2018	-	-	2.550	2.462	-	-
<b>California</b>						
October 2019	-	-	2.555	2.289	-	-
September 2019	-	-	2.470	2.209	-	-
October 2018	-	-	2.690	2.524	-	-
<b>Hawaii</b>						
October 2019	-	-	W	W	-	-
September 2019	-	-	W	W	-	-
October 2018	-	-	W	W	-	-
<b>Nevada</b>						
October 2019	-	-	W	2.155	-	-
September 2019	-	-	W	2.077	-	-
October 2018	-	-	NA	2.441	-	-
<b>Oregon</b>						
October 2019	-	W	2.326	2.313	-	-
September 2019	-	W	2.052	2.032	-	-
October 2018	-	W	3.049	2.414	-	-
<b>Washington</b>						
October 2019	W	W	2.184	2.224	-	-
September 2019	W	W	2.164	1.986	-	-
October 2018	-	W	2.551	2.412	-	-

- = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

[a] Includes sales of No. 2 fuel oil and diesel fuels.

[b] Includes No. 4 fuel oil and No. 4 diesel fuel.

Notes: Values shown for the current month are preliminary. Values shown for previous months may be revised. Data through 2019 are final.

Sources: - U.S. Energy Information Administration Form EIA-782A, Refiners'/Gas Plant Operators, Monthly Petroleum Product Sales Report.

# **Volume of Petroleum Products**

**Table 39. Refiner motor gasoline volumes by grade, sales type, PAD District, and state**

thousand gallons per day

Geographic area month	Regular					Midgrade				
	Sales to end users		Sales for resale			Sales to end users		Sales for resale		
	Through retail outlets	Total[a]	DTW	Rack	Bulk	Through retail outlets	Total[a]	DTW	Rack	Bulk
<b>United States</b>										
October 2019	19,624.2	19,997.0	16,719.2	238,966.4	11,376.9	1,577.9	1,589.6	161.0	1,540.1	-
September 2019	19,480.6	19,836.8	16,763.3	234,968.6	11,550.6	1,618.2	1,631.2	167.3	1,644.2	-
October 2018	20,291.6	20,611.2	16,999.2	236,103.7	15,946.3	1,655.8	1,668.3	220.4	1,728.6	-
<b>PAD District 1</b>										
October 2019	6,425.6	6,569.6	W	69,041.1	W	559.7	564.4	W	W	-
September 2019	6,337.2	6,469.8	W	68,562.1	W	558.1	561.5	W	W	-
October 2018	6,553.6	6,644.5	W	W	1,543.2	568.3	571.3	W	W	-
<b>Subdistrict 1A</b>										
October 2019	W	W	W	W	-	W	W	-	25.4	-
September 2019	W	W	W	W	-	W	W	-	30.6	-
October 2018	W	W	W	W	W	W	W	-	30.5	-
<b>Connecticut</b>										
October 2019	-	W	-	2,345.7	-	-	-	-	8.2	-
September 2019	-	W	-	2,254.6	-	-	-	-	8.9	-
October 2018	-	W	W	2,275.9	W	-	-	-	10.5	-
<b>Maine</b>										
October 2019	-	-	-	W	-	-	-	-	W	-
September 2019	-	-	-	660.7	-	-	-	-	W	-
October 2018	-	-	-	649.5	-	-	-	-	W	-
<b>Massachusetts</b>										
October 2019	W	W	-	1,166.1	-	W	W	-	3.2	-
September 2019	W	W	-	1,120.1	-	W	W	-	3.7	-
October 2018	W	W	-	1,229.5	-	W	W	-	5.3	-
<b>New Hampshire</b>										
October 2019	W	W	W	W	-	W	W	-	-	-
September 2019	W	W	W	W	-	W	W	-	-	-
October 2018	W	W	W	W	-	W	W	-	-	-
<b>Rhode Island</b>										
October 2019	W	W	-	847.9	-	W	W	-	W	-
September 2019	W	W	-	823.8	-	W	W	-	W	-
October 2018	W	W	-	W	-	W	W	-	W	-
<b>Vermont</b>										
October 2019	-	-	W	W	-	-	-	-	W	-
September 2019	-	-	W	W	-	-	-	-	-	-
October 2018	-	-	W	W	-	-	-	-	W	-
<b>Subdistrict 1B</b>										
October 2019	3,488.9	3,488.9	W	W	1,661.5	341.5	341.5	W	W	-
September 2019	3,483.9	3,483.9	W	W	3,047.7	347.4	347.4	W	W	-
October 2018	3,329.5	3,329.5	W	21,607.1	W	342.1	342.1	W	W	-
<b>Delaware</b>										
October 2019	W	W	-	1,036.8	-	W	W	-	8.2	-
September 2019	W	W	-	1,937.4	-	W	W	-	10.7	-
October 2018	W	W	-	1,070.4	-	W	W	-	9.2	-
<b>District of Columbia</b>										
October 2019	-	-	-	-	-	-	-	-	-	-
September 2019	-	-	-	-	-	-	-	-	-	-
October 2018	-	-	-	-	-	-	-	-	-	-
<b>Maryland</b>										
October 2019	-	-	-	3,910.0	-	-	-	-	44.8	-
September 2019	-	-	-	3,813.8	-	-	-	-	51.2	-
October 2018	-	-	-	3,690.4	-	-	-	-	52.9	-
<b>New Jersey</b>										
October 2019	W	W	W	6,569.6	W	W	W	W	W	-
September 2019	W	W	W	6,936.3	W	W	W	W	W	-
October 2018	W	W	W	6,865.1	W	W	W	W	W	-
<b>New York</b>										
October 2019	2,263.3	2,263.3	W	4,900.0	W	223.6	223.6	W	W	-
September 2019	2,251.1	2,251.1	W	W	W	227.4	227.4	W	W	-
October 2018	2,011.6	2,011.6	W	W	W	218.4	218.4	W	W	-
<b>Pennsylvania</b>										
October 2019	W	W	-	W	W	W	W	-	16.0	-
September 2019	W	W	-	W	W	W	W	-	15.1	-
October 2018	W	W	-	W	W	W	W	-	19.1	-

See footnotes at end of table.

**Table 39. Refiner motor gasoline volumes by grade, sales type, PAD District, and state (cont.)**

thousand gallons per day

Geographic area month	Premium					All grades				
	Sales to end users		Sales for resale			Sales to end users		Sales for resale		
	Through retail outlets	Total[a]	DTW	Rack	Bulk	Through retail outlets	Total[a]	DTW	Rack	Bulk
<b>United States</b>										
October 2019	2,375.6	2,426.5	4,456.7	30,384.0	1,659.9	23,577.7	24,013.2	21,336.9	270,890.4	13,036.8
September 2019	2,536.6	2,584.3	4,685.9	30,779.3	1,562.9	23,635.4	24,052.3	21,616.4	267,392.1	13,113.6
October 2018	2,401.2	2,432.7	4,666.2	28,576.2	1,926.4	24,348.6	24,712.2	21,885.8	266,408.6	17,872.7
<b>PAD District 1</b>										
October 2019	830.3	858.5	W	W	W	7,815.6	7,992.5	W	W	2,013.9
September 2019	894.0	920.1	W	W	W	7,789.3	7,951.4	W	W	3,754.1
October 2018	796.4	812.0	W	9,075.2	W	7,918.3	8,027.8	W	79,071.5	W
<b>Subdistrict 1A</b>										
October 2019	W	W	W	W	-	W	W	W	W	-
September 2019	W	W	W	W	-	W	W	W	W	-
October 2018	W	W	W	780.9	W	W	W	W	W	W
<b>Connecticut</b>										
October 2019	-	-	-	431.1	-	-	W	-	2,785.0	-
September 2019	-	-	-	431.7	-	-	W	-	2,695.3	-
October 2018	-	-	W	389.0	W	-	W	W	2,675.5	W
<b>Maine</b>										
October 2019	-	-	-	W	-	-	-	-	731.0	-
September 2019	-	-	-	W	-	-	-	-	726.3	-
October 2018	-	-	-	W	-	-	-	-	702.8	-
<b>Massachusetts</b>										
October 2019	W	W	-	196.5	-	W	W	-	1,365.8	-
September 2019	W	W	-	191.5	-	W	W	-	1,315.3	-
October 2018	W	W	-	189.0	-	W	W	-	1,423.9	-
<b>New Hampshire</b>										
October 2019	W	W	W	W	-	W	W	W	W	-
September 2019	W	W	W	W	-	W	W	W	W	-
October 2018	W	W	W	W	-	W	W	W	W	-
<b>Rhode Island</b>										
October 2019	W	W	-	W	-	W	W	-	998.9	-
September 2019	W	W	-	W	-	W	W	-	980.2	-
October 2018	W	W	-	W	-	W	W	-	1,104.6	-
<b>Vermont</b>										
October 2019	-	-	W	W	-	-	-	W	77.7	-
September 2019	-	-	W	W	-	-	-	W	W	-
October 2018	-	-	W	W	-	-	-	W	W	-
<b>Subdistrict 1B</b>										
October 2019	541.4	541.4	W	W	W	4,371.8	4,371.8	W	24,393.0	W
September 2019	613.0	613.0	W	W	W	4,444.3	4,444.3	W	25,519.7	W
October 2018	515.9	515.9	W	W	W	4,187.4	4,187.4	W	24,735.0	W
<b>Delaware</b>										
October 2019	W	W	-	124.7	-	W	W	-	1,169.7	-
September 2019	W	W	-	235.9	-	W	W	-	2,184.0	-
October 2018	W	W	-	123.7	-	W	W	-	1,203.3	-
<b>District of Columbia</b>										
October 2019	-	-	-	-	-	-	-	-	-	-
September 2019	-	-	-	-	-	-	-	-	-	-
October 2018	-	-	-	-	-	-	-	-	-	-
<b>Maryland</b>										
October 2019	-	-	-	649.9	-	-	-	-	4,604.7	-
September 2019	-	-	-	646.2	-	-	-	-	4,511.2	-
October 2018	-	-	-	585.8	-	-	-	-	4,329.1	-
<b>New Jersey</b>										
October 2019	W	W	W	1,029.7	W	W	W	W	W	666.7
September 2019	W	W	W	1,050.1	W	W	W	W	W	1,152.2
October 2018	W	W	W	992.2	W	W	W	W	W	1,081.5
<b>New York</b>										
October 2019	356.3	356.3	W	W	W	2,843.2	2,843.2	W	5,826.1	W
September 2019	419.5	419.5	W	912.0	W	2,898.1	2,898.1	W	5,629.7	W
October 2018	333.0	333.0	W	816.3	W	2,563.1	2,563.1	W	5,795.2	W
<b>Pennsylvania</b>										
October 2019	W	W	-	W	W	W	W	-	W	W
September 2019	W	W	-	W	W	W	W	-	W	W
October 2018	W	W	-	W	W	W	W	-	W	W

See footnotes at end of table.

**Table 39. Refiner motor gasoline volumes by grade, sales type, PAD District, and state (cont.)**

thousand gallons per day

Geographic area month	Regular					Midgrade				
	Sales to end users		Sales for resale			Sales to end users		Sales for resale		
	Through retail outlets	Total[a]	DTW	Rack	Bulk	Through retail outlets	Total[a]	DTW	Rack	Bulk
<b>Subdistrict 1C</b>										
October 2019	W	W	-	W	W	W	W	-	393.8	-
September 2019	W	W	-	W	W	W	W	-	441.1	-
October 2018	W	W	-	W	W	W	W	-	431.1	-
<b>Florida</b>										
October 2019	W	W	-	13,782.2	-	W	W	-	118.7	-
September 2019	W	W	-	13,009.8	NA	W	W	-	130.6	-
October 2018	W	W	-	13,747.2	-	W	W	-	131.5	-
<b>Georgia</b>										
October 2019	W	W	-	8,366.5	-	W	W	-	47.4	-
September 2019	W	W	-	8,355.4	-	W	W	-	53.1	-
October 2018	W	W	-	8,402.4	-	W	W	-	57.0	-
<b>North Carolina</b>										
October 2019	W	W	-	8,925.5	-	W	W	-	116.3	-
September 2019	W	W	-	8,649.0	-	W	W	-	137.1	-
October 2018	W	W	-	8,717.1	-	W	W	-	118.1	-
<b>South Carolina</b>										
October 2019	W	W	-	4,394.4	-	W	W	-	32.7	-
September 2019	W	W	-	4,236.8	-	W	W	-	37.0	-
October 2018	W	W	-	4,310.9	-	W	W	-	35.4	-
<b>Virginia</b>										
October 2019	-	W	-	W	W	-	-	-	70.7	-
September 2019	-	W	-	W	W	-	-	-	75.8	-
October 2018	-	-	-	W	W	-	-	-	82.1	-
<b>West Virginia</b>										
October 2019	W	W	-	844.9	-	W	W	-	7.9	-
September 2019	W	W	-	W	W	W	W	-	7.5	-
October 2018	W	W	-	W	W	W	W	-	7.1	-
<b>PAD District 2</b>										
October 2019	W	W	-	W	W	W	W	-	440.4	-
September 2019	W	W	-	76,850.7	436.2	W	W	-	438.7	-
October 2018	W	W	-	78,314.1	1,267.2	312.1	319.5	-	500.6	-
<b>Illinois</b>										
October 2019	W	W	-	W	W	W	W	-	58.8	-
September 2019	W	W	-	W	W	W	W	-	56.3	-
October 2018	W	W	-	W	W	W	W	-	70.1	-
<b>Indiana</b>										
October 2019	W	W	-	5,902.7	-	W	W	-	18.0	-
September 2019	W	W	-	5,769.7	NA	W	W	-	14.0	-
October 2018	W	W	-	W	W	W	W	-	21.0	-
<b>Iowa</b>										
October 2019	-	W	-	3,304.8	-	-	-	-	52.4	-
September 2019	-	W	-	3,086.9	-	-	-	-	50.2	-
October 2018	-	W	-	2,541.0	-	-	-	-	50.7	-
<b>Kansas</b>										
October 2019	W	W	-	W	W	W	W	-	15.2	-
September 2019	W	W	-	W	W	W	W	-	17.1	-
October 2018	W	W	-	W	W	W	W	-	17.0	-
<b>Kentucky</b>										
October 2019	W	W	-	3,873.6	-	W	W	-	11.8	-
September 2019	W	W	-	3,882.6	-	W	W	-	12.5	-
October 2018	W	W	-	W	W	W	W	-	13.1	-
<b>Michigan</b>										
October 2019	W	W	-	10,440.3	-	W	W	-	13.4	-
September 2019	W	W	-	9,830.3	NA	W	W	-	13.9	-
October 2018	W	W	-	10,248.2	-	W	W	-	16.6	-
<b>Minnesota</b>										
October 2019	W	W	-	4,957.5	-	W	W	-	57.3	-
September 2019	W	W	-	4,763.1	-	W	37.7	-	59.6	-
October 2018	709.3	711.8	-	5,224.9	-	W	W	-	75.7	-
<b>Missouri</b>										
October 2019	-	W	-	3,317.4	-	-	-	-	13.5	-
September 2019	-	W	-	3,243.9	-	-	-	-	12.2	-
October 2018	-	W	-	W	W	-	-	-	17.8	-

See footnotes at end of table.

**Table 39. Refiner motor gasoline volumes by grade, sales type, PAD District, and state (cont.)**

thousand gallons per day

Geographic area month	Premium					All grades				
	Sales to end users		Sales for resale			Sales to end users		Sales for resale		
	Through retail outlets	Total[a]	DTW	Rack	Bulk	Through retail outlets	Total[a]	DTW	Rack	Bulk
<b>Subdistrict 1C</b>										
October 2019	W	W	-	W	W	W	W	-	W	W
September 2019	W	W	-	W	W	W	W	-	W	W
October 2018	W	W	-	W	W	W	W	-	W	W
<b>Florida</b>										
October 2019	W	W	-	W	W	W	W	-	W	W
September 2019	W	W	-	1,960.5	-	W	W	-	15,100.9	NA
October 2018	W	W	-	1,891.5	-	W	W	-	15,770.3	-
<b>Georgia</b>										
October 2019	W	W	-	1,031.7	-	W	W	-	9,445.6	-
September 2019	W	W	-	W	W	W	W	-	W	W
October 2018	W	W	-	1,031.5	-	W	W	-	9,490.9	-
<b>North Carolina</b>										
October 2019	W	W	-	1,091.3	-	W	W	-	10,133.0	-
September 2019	W	W	-	1,088.3	-	W	W	-	9,874.4	-
October 2018	W	W	-	1,004.1	-	W	W	-	9,839.3	-
<b>South Carolina</b>										
October 2019	W	W	-	443.5	-	W	W	-	4,870.6	-
September 2019	W	W	-	441.9	-	W	W	-	4,715.6	-
October 2018	W	W	-	415.0	-	W	W	-	4,761.4	-
<b>Virginia</b>										
October 2019	-	W	-	928.4	-	-	W	-	W	W
September 2019	-	W	-	920.6	-	-	W	-	W	W
October 2018	-	-	-	912.4	-	-	-	-	W	W
<b>West Virginia</b>										
October 2019	W	W	-	W	W	W	W	-	W	W
September 2019	W	W	-	46.1	-	W	W	-	W	W
October 2018	W	W	-	W	W	W	W	-	W	W
<b>PAD District 2</b>										
October 2019	W	W	-	W	W	W	W	-	86,497.0	821.3
September 2019	W	W	-	6,855.9	521.9	W	W	-	84,145.2	958.1
October 2018	W	433.9	-	6,418.2	476.7	W	W	-	85,232.9	1,743.9
<b>Illinois</b>										
October 2019	W	W	-	1,188.4	-	W	W	-	W	W
September 2019	W	W	-	1,164.1	-	W	W	-	W	W
October 2018	W	W	-	W	W	W	W	-	12,060.4	90.6
<b>Indiana</b>										
October 2019	W	W	-	W	W	W	W	-	W	W
September 2019	W	W	-	W	W	W	W	-	W	W
October 2018	W	W	-	405.0	-	W	W	-	W	W
<b>Iowa</b>										
October 2019	-	-	-	278.5	-	-	W	-	3,635.7	-
September 2019	-	-	-	283.2	-	-	W	-	3,420.3	-
October 2018	-	-	-	262.3	-	-	W	-	2,854.0	-
<b>Kansas</b>										
October 2019	-	-	-	355.2	-	W	W	-	W	W
September 2019	-	-	-	W	W	W	W	-	W	W
October 2018	-	-	-	W	W	W	W	-	W	W
<b>Kentucky</b>										
October 2019	W	W	-	249.6	-	W	W	-	4,135.1	-
September 2019	W	W	-	249.9	-	W	W	-	4,145.0	-
October 2018	W	W	-	221.0	-	W	W	-	W	W
<b>Michigan</b>										
October 2019	W	W	-	W	W	W	W	-	W	W
September 2019	W	W	-	W	W	W	W	-	W	W
October 2018	W	W	-	W	W	W	W	-	W	W
<b>Minnesota</b>										
October 2019	W	W	-	W	W	W	W	-	W	W
September 2019	W	W	-	W	W	W	W	-	W	W
October 2018	W	W	-	W	W	806.8	813.4	-	W	W
<b>Missouri</b>										
October 2019	-	-	-	W	W	-	W	-	W	W
September 2019	-	-	-	W	W	-	W	-	W	W
October 2018	-	-	-	W	W	-	W	-	W	W

See footnotes at end of table.

**Table 39. Refiner motor gasoline volumes by grade, sales type, PAD District, and state (cont.)**

thousand gallons per day

Geographic area month	Regular					Midgrade				
	Sales to end users		Sales for resale			Sales to end users		Sales for resale		
	Through retail outlets	Total[a]	DTW	Rack	Bulk	Through retail outlets	Total[a]	DTW	Rack	Bulk
<b>PAD District 2 (cont.)</b>										
<b>Nebraska</b>										
October 2019	W	W	-	1,619.4	-	W	W	-	15.8	-
September 2019	W	W	-	1,538.9	-	W	W	-	18.4	-
October 2018	W	W	-	1,561.4	-	W	W	-	14.5	-
<b>North Dakota</b>										
October 2019	W	W	-	869.1	-	W	W	-	16.7	-
September 2019	W	W	-	847.5	-	W	W	-	17.0	-
October 2018	W	W	-	950.1	-	W	W	-	18.5	-
<b>Ohio</b>										
October 2019	W	W	-	10,187.2	-	W	W	-	28.7	-
September 2019	W	W	-	10,026.5	-	W	W	-	28.6	-
October 2018	W	W	-	10,513.9	-	W	W	-	41.7	-
<b>Oklahoma</b>										
October 2019	W	W	-	W	W	W	W	-	6.1	-
September 2019	W	W	-	W	W	W	W	-	5.7	-
October 2018	W	W	-	W	W	W	W	-	5.6	-
<b>South Dakota</b>										
October 2019	W	W	-	1,061.9	-	W	W	-	17.3	-
September 2019	W	W	-	1,038.7	-	W	W	-	15.7	-
October 2018	W	W	-	996.3	-	W	W	-	19.0	-
<b>Tennessee</b>										
October 2019	W	W	-	9,229.5	-	W	W	-	81.4	-
September 2019	W	W	-	9,203.3	-	W	W	-	82.9	-
October 2018	W	W	-	9,345.0	-	W	W	-	80.7	-
<b>Wisconsin</b>										
October 2019	W	W	-	5,341.6	-	W	W	-	34.2	-
September 2019	W	W	-	4,983.8	-	W	W	-	34.5	-
October 2018	W	W	-	5,255.5	-	W	W	-	38.4	-
<b>PAD District 3</b>										
October 2019	946.3	999.3	203.5	50,910.5	7,967.0	86.7	86.9	W	W	-
September 2019	920.0	971.8	205.3	50,163.4	6,132.8	86.4	86.6	W	W	-
October 2018	911.1	944.3	W	49,444.6	W	87.5	87.7	W	W	-
<b>Alabama</b>										
October 2019	W	W	-	5,228.4	-	W	W	-	33.5	-
September 2019	W	W	-	5,136.1	-	W	W	-	34.3	-
October 2018	-	W	-	4,949.0	-	-	-	-	42.9	-
<b>Arkansas</b>										
October 2019	-	-	-	3,092.7	-	-	-	-	14.0	-
September 2019	-	-	-	2,976.2	-	-	-	-	13.2	-
October 2018	-	-	-	2,910.5	-	-	-	-	14.1	-
<b>Louisiana</b>										
October 2019	-	W	-	W	W	-	-	-	10.6	-
September 2019	-	W	-	W	W	-	-	-	9.9	-
October 2018	-	W	-	W	W	-	-	-	16.5	-
<b>Mississippi</b>										
October 2019	-	-	-	2,701.1	812.5	-	-	-	18.6	-
September 2019	-	-	-	2,745.6	549.5	-	-	-	19.8	-
October 2018	-	-	-	W	W	-	-	-	21.2	-
<b>New Mexico</b>										
October 2019	W	416.3	W	W	-	W	W	W	W	-
September 2019	W	417.8	W	W	-	W	W	W	W	-
October 2018	W	393.2	W	W	-	W	50.5	W	W	-
<b>Texas</b>										
October 2019	531.0	532.7	W	32,733.1	W	38.8	39.0	-	115.9	-
September 2019	500.2	501.2	W	32,179.8	W	37.8	37.9	-	119.4	-
October 2018	W	W	W	31,245.9	W	W	37.2	-	145.7	-

See footnotes at end of table.

**Table 39. Refiner motor gasoline volumes by grade, sales type, PAD District, and state (cont.)**

thousand gallons per day

Geographic area month	Premium					All grades				
	Sales to end users		Sales for resale			Sales to end users		Sales for resale		
	Through retail outlets	Total[a]	DTW	Rack	Bulk	Through retail outlets	Total[a]	DTW	Rack	Bulk
<b>PAD District 2 (cont.)</b>										
<b>Nebraska</b>										
October 2019	-	-	-	160.1	-	W	W	-	1,795.4	-
September 2019	-	-	-	169.6	-	W	W	-	1,726.9	-
October 2018	-	-	-	168.2	-	W	W	-	1,744.2	-
<b>North Dakota</b>										
October 2019	W	W	-	92.5	-	W	W	-	978.2	-
September 2019	W	W	-	98.5	-	W	W	-	963.0	-
October 2018	W	W	-	91.0	-	W	W	-	1,059.6	-
<b>Ohio</b>										
October 2019	W	W	-	W	W	W	W	-	W	W
September 2019	W	W	-	W	W	W	W	-	W	W
October 2018	W	W	-	W	W	W	W	-	W	W
<b>Oklahoma</b>										
October 2019	W	W	-	W	W	W	W	-	4,376.1	341.4
September 2019	W	W	-	W	W	W	W	-	4,388.1	415.8
October 2018	W	W	-	W	W	W	W	-	4,311.5	775.0
<b>South Dakota</b>										
October 2019	W	W	-	97.0	-	W	W	-	1,176.2	-
September 2019	W	W	-	110.0	-	W	W	-	1,164.4	-
October 2018	W	W	-	89.4	-	W	W	-	1,104.6	-
<b>Tennessee</b>										
October 2019	W	W	-	905.9	-	W	W	-	10,216.8	-
September 2019	W	W	-	909.9	-	W	W	-	10,196.0	-
October 2018	W	W	-	W	W	W	W	-	W	W
<b>Wisconsin</b>										
October 2019	W	W	-	452.8	-	W	W	-	5,828.6	-
September 2019	W	W	-	467.9	-	W	W	-	5,486.2	-
October 2018	W	W	-	412.1	-	W	W	-	5,705.9	-
<b>PAD District 3</b>										
October 2019	82.5	93.9	W	W	578.0	1,115.5	1,180.1	234.2	56,862.5	8,545.1
September 2019	84.1	95.4	W	W	305.3	1,090.5	1,153.8	237.7	55,984.4	6,438.1
October 2018	80.5	86.3	W	W	860.7	1,079.1	1,118.3	W	54,828.4	W
<b>Alabama</b>										
October 2019	W	W	-	481.1	-	W	W	-	5,743.0	-
September 2019	W	W	-	469.8	-	W	W	-	5,640.2	-
October 2018	-	W	-	449.7	-	-	W	-	5,441.7	-
<b>Arkansas</b>										
October 2019	-	-	-	271.7	-	-	-	-	3,378.5	-
September 2019	-	-	-	269.1	-	-	-	-	3,258.5	-
October 2018	-	-	-	230.8	-	-	-	-	3,155.5	-
<b>Louisiana</b>										
October 2019	-	-	-	W	W	-	W	-	6,428.6	3,058.3
September 2019	-	-	-	W	W	-	W	-	6,351.8	2,948.0
October 2018	-	-	-	W	W	-	W	-	6,409.2	3,719.7
<b>Mississippi</b>										
October 2019	-	-	-	228.6	-	-	-	-	2,948.3	812.5
September 2019	-	-	-	228.1	-	-	-	-	2,993.5	549.5
October 2018	-	-	-	225.6	-	-	-	-	W	W
<b>New Mexico</b>										
October 2019	W	W	W	W	-	W	503.2	W	W	-
September 2019	W	W	W	W	-	W	508.6	W	W	-
October 2018	W	41.3	W	W	-	W	485.0	W	W	-
<b>Texas</b>										
October 2019	43.8	43.8	W	W	W	613.6	615.6	W	W	4,674.3
September 2019	42.2	42.2	W	W	W	580.1	581.3	W	W	2,940.5
October 2018	W	W	W	3,473.9	W	W	W	W	34,865.5	W

See footnotes at end of table.



**Table 39. Refiner motor gasoline volumes by grade, sales type, PAD District, and state (cont.)**

thousand gallons per day

Geographic area month	Regular					Midgrade				
	Sales to end users		Sales for resale			Sales to end users		Sales for resale		
	Through retail outlets	Total[a]	DTW	Rack	Bulk	Through retail outlets	Total[a]	DTW	Rack	Bulk
<b>PAD District 4</b>										
October 2019	W	W	W	W	-	W	W	-	136.5	-
September 2019	W	W	W	W	-	W	W	-	131.9	-
October 2018	W	W	W	W	W	68.9	70.1	-	115.6	-
<b>Colorado</b>										
October 2019	W	144.6	W	W	-	40.8	41.3	-	34.0	-
September 2019	W	148.8	W	W	-	42.0	42.4	-	42.2	-
October 2018	W	146.6	W	W	W	39.7	40.0	-	46.6	-
<b>Idaho</b>										
October 2019	W	W	-	1,485.6	-	W	W	-	7.2	-
September 2019	W	W	-	1,485.7	-	W	W	-	6.4	-
October 2018	W	W	-	1,438.2	-	W	W	-	6.5	-
<b>Montana</b>										
October 2019	W	W	-	1,256.5	-	W	W	-	7.2	-
September 2019	W	W	-	1,333.4	-	W	W	-	7.5	-
October 2018	W	W	-	1,248.8	-	W	W	-	W	-
<b>Utah</b>										
October 2019	W	W	W	W	-	W	W	-	73.8	-
September 2019	W	W	W	W	-	W	W	-	62.8	-
October 2018	W	W	W	W	-	W	W	-	45.6	-
<b>Wyoming</b>										
October 2019	W	10.1	-	865.2	-	W	W	-	14.3	-
September 2019	W	11.0	-	930.5	-	W	W	-	13.0	-
October 2018	W	10.5	-	883.1	-	W	W	-	W	-
<b>PAD District 5</b>										
October 2019	3,941.0	4,002.1	15,231.7	W	W	555.5	556.4	157.0	231.8	-
September 2019	4,048.0	4,106.5	15,270.4	W	W	595.8	596.5	164.4	274.5	-
October 2018	4,342.0	4,409.9	15,596.7	28,342.6	2,097.2	618.9	619.7	W	W	-
<b>Alaska</b>										
October 2019	W	W	55.0	398.8	W	W	W	W	W	-
September 2019	W	W	64.3	427.9	W	W	W	W	W	-
October 2018	W	W	W	W	W	W	W	W	W	-
<b>Arizona</b>										
October 2019	W	W	1,250.2	4,183.7	NA	W	W	W	W	-
September 2019	W	W	1,176.3	W	W	W	W	W	W	-
October 2018	W	W	W	4,256.7	W	W	W	W	W	-
<b>California</b>										
October 2019	2,763.4	2,764.9	W	14,496.5	W	475.5	475.6	112.0	145.5	-
September 2019	2,854.8	2,856.5	11,563.2	14,231.6	1,147.7	514.5	514.5	117.9	186.0	-
October 2018	3,178.2	3,179.4	11,753.5	13,932.2	1,600.5	530.3	530.4	134.9	172.5	-
<b>Hawaii</b>										
October 2019	W	W	W	W	W	W	W	W	W	-
September 2019	W	W	W	W	W	W	W	W	W	-
October 2018	W	W	W	W	W	W	W	W	W	-
<b>Nevada</b>										
October 2019	W	W	W	W	-	W	W	W	W	-
September 2019	W	W	W	W	-	W	W	W	W	-
October 2018	W	W	W	1,482.5	W	W	W	W	W	-
<b>Oregon</b>										
October 2019	92.6	92.6	694.9	3,139.5	-	5.8	5.8	2.7	6.6	-
September 2019	86.7	86.7	687.3	2,986.4	-	5.6	5.6	2.9	6.1	-
October 2018	95.2	95.2	760.7	W	W	6.0	6.0	W	W	-
<b>Washington</b>										
October 2019	357.8	363.5	W	5,129.1	W	30.4	30.6	W	W	-
September 2019	360.8	366.6	W	4,932.3	W	31.0	31.1	W	W	-
October 2018	334.3	341.4	W	4,950.7	W	29.3	29.5	W	W	-

See footnotes at end of table.

**Table 39. Refiner motor gasoline volumes by grade, sales type, PAD District, and state (cont.)**

thousand gallons per day

Geographic area month	Premium					All grades				
	Sales to end users		Sales for resale			Sales to end users		Sales for resale		
	Through retail outlets	Total[a]	DTW	Rack	Bulk	Through retail outlets	Total[a]	DTW	Rack	Bulk
<b>PAD District 4</b>										
October 2019	W	W	W	W	-	W	W	W	W	-
September 2019	W	W	W	W	-	W	W	W	W	-
October 2018	W	63.5	W	W	W	W	W	W	12,959.5	W
<b>Colorado</b>										
October 2019	W	31.5	W	W	-	213.8	217.5	W	W	-
September 2019	W	34.0	W	W	-	220.9	225.3	W	W	-
October 2018	W	29.8	W	W	-	211.4	216.4	W	5,319.5	W
<b>Idaho</b>										
October 2019	W	W	-	258.3	-	W	W	-	1,751.1	-
September 2019	W	W	-	275.5	-	W	W	-	1,767.5	-
October 2018	W	W	-	243.4	-	W	W	-	1,688.1	-
<b>Montana</b>										
October 2019	W	W	-	238.6	-	W	W	-	1,502.3	-
September 2019	W	W	-	271.2	-	W	W	-	1,612.0	-
October 2018	W	W	-	W	-	W	W	-	1,477.8	-
<b>Utah</b>										
October 2019	W	W	W	W	-	W	W	W	W	-
September 2019	W	W	W	W	-	W	W	W	W	-
October 2018	W	W	W	W	W	W	W	W	3,442.3	W
<b>Wyoming</b>										
October 2019	W	W	-	148.5	-	W	12.7	-	1,028.1	-
September 2019	W	W	-	177.7	-	W	14.0	-	1,121.2	-
October 2018	W	W	-	W	-	W	13.0	-	1,031.8	-
<b>PAD District 5</b>										
October 2019	955.2	961.2	4,063.0	W	W	5,451.7	5,519.6	19,451.6	35,132.3	1,656.6
September 2019	1,031.9	1,037.7	4,278.3	W	W	5,675.7	5,740.7	19,713.1	34,707.2	1,963.3
October 2018	1,031.1	1,037.0	4,293.7	W	W	5,992.1	6,066.7	W	34,316.3	W
<b>Alaska</b>										
October 2019	W	W	W	32.7	-	W	W	W	W	W
September 2019	W	W	W	34.5	-	W	W	78.6	W	W
October 2018	W	W	W	29.1	W	W	W	W	W	W
<b>Arizona</b>										
October 2019	W	W	W	W	-	W	W	1,409.3	4,781.4	NA
September 2019	W	W	150.4	611.7	-	W	W	W	4,793.6	W
October 2018	W	W	150.6	W	W	W	W	W	4,840.6	W
<b>California</b>										
October 2019	800.5	800.5	W	3,612.8	W	4,039.4	4,041.0	14,818.8	18,254.9	1,228.5
September 2019	870.4	870.4	3,503.6	3,722.7	325.2	4,239.7	4,241.4	15,184.7	18,140.3	1,473.0
October 2018	865.1	865.1	3,489.4	3,412.7	352.4	4,573.5	4,574.9	15,377.8	17,517.4	1,952.9
<b>Hawaii</b>										
October 2019	W	W	W	W	W	W	W	W	W	W
September 2019	W	W	W	W	W	W	W	W	W	W
October 2018	W	W	W	W	W	W	W	W	W	W
<b>Nevada</b>										
October 2019	W	W	W	W	-	W	W	W	W	-
September 2019	W	W	W	W	-	W	W	W	W	-
October 2018	W	W	W	W	-	W	W	W	1,825.8	W
<b>Oregon</b>										
October 2019	14.0	14.0	120.5	390.6	-	112.4	112.4	818.2	3,536.8	-
September 2019	13.8	13.8	120.0	404.7	-	106.1	106.1	810.1	3,397.3	-
October 2018	13.8	13.8	124.5	372.3	-	115.0	115.0	W	3,455.4	W
<b>Washington</b>										
October 2019	47.1	47.4	220.9	W	W	435.3	441.5	W	6,126.4	W
September 2019	48.2	48.6	215.8	W	W	440.0	446.4	W	5,943.6	W
October 2018	44.1	44.3	227.8	W	W	407.7	415.2	W	5,911.4	W

- = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

[a] Includes sales through retail outlets as well as all direct sales to end users that were not made through company-operated retail outlets, e.g., sales to agricultural customers, commercial sales, and industrial sales.

Notes: Values shown for the current month are preliminary. Values shown for previous months are revised. Data through 2019 are final. Totals may not equal the sum of the components due to rounding.

Sources: - U.S. Energy Information Administration Form EIA-782A, Refiners'/Gas Plant Operators, Monthly Petroleum Product Sales Report.

**Table 40. Refiner motor gasoline volumes by formulation, sales type, PAD District, and state**

thousand gallons per day

Geographic area month	Conventional				
	Sales to end users		Sales for resale		
	Through retail outlets	Total[a]	DTW	Rack	Bulk
<b>United States</b>					
October 2019	14,954.6	15,307.3	4,212.3	192,658.8	11,011.9
September 2019	14,807.3	15,148.2	4,165.6	188,673.6	10,339.4
October 2018	14,882.3	15,220.8	4,274.1	188,861.1	15,130.6
<b>PAD District 1</b>					
October 2019	W	W	W	51,264.7	W
September 2019	W	W	W	50,093.2	W
October 2018	W	W	W	50,558.9	W
<b>Subdistrict 1A</b>					
October 2019	-	-	W	W	-
September 2019	-	-	W	W	-
October 2018	-	-	W	W	-
<b>Connecticut</b>					
October 2019	-	-	-	-	-
September 2019	-	-	-	-	-
October 2018	-	-	-	-	-
<b>Maine</b>					
October 2019	-	-	-	W	-
September 2019	-	-	-	W	-
October 2018	-	-	-	W	-
<b>Massachusetts</b>					
October 2019	-	-	-	-	-
September 2019	-	-	-	-	-
October 2018	-	-	-	-	-
<b>New Hampshire</b>					
October 2019	-	-	W	-	-
September 2019	-	-	W	-	-
October 2018	-	-	W	-	-
<b>Rhode Island</b>					
October 2019	-	-	-	-	-
September 2019	-	-	-	-	-
October 2018	-	-	-	-	-
<b>Vermont</b>					
October 2019	-	-	W	W	-
September 2019	-	-	W	W	-
October 2018	-	-	W	W	-
<b>Subdistrict 1B</b>					
October 2019	W	W	W	W	1,126.3
September 2019	W	W	W	W	2,006.6
October 2018	W	W	W	6,177.5	W
<b>Delaware</b>					
October 2019	-	-	-	-	-
September 2019	-	-	-	-	-
October 2018	-	-	-	-	-
<b>District of Columbia</b>					
October 2019	-	-	-	-	-
September 2019	-	-	-	-	-
October 2018	-	-	-	-	-
<b>Maryland</b>					
October 2019	-	-	-	435.5	-
September 2019	-	-	-	485.8	-
October 2018	-	-	-	392.2	-
<b>New Jersey</b>					
October 2019	-	-	-	-	W
September 2019	-	-	-	-	W
October 2018	-	-	-	-	W
<b>New York</b>					
October 2019	W	W	W	W	-
September 2019	W	W	W	W	-
October 2018	W	W	W	W	W
<b>Pennsylvania</b>					
October 2019	W	W	-	W	W
September 2019	W	W	-	W	W
October 2018	W	W	-	W	-

See footnotes at end of table.

**Table 40. Refiner motor gasoline volumes by formulation, sales type, PAD District, and state (cont.)**

thousand gallons per day

Geographic area month	Reformulated				
	Sales to end users		Sales for resale		
	Through retail outlets	Total[a]	DTW	Rack	Bulk
<b>United States</b>					
October 2019	8,623.1	8,705.8	17,124.6	78,231.6	2,024.9
September 2019	8,828.0	8,904.1	17,450.8	78,718.5	2,774.1
October 2018	9,466.3	9,491.4	17,611.8	77,547.5	2,742.1
<b>PAD District 1</b>					
October 2019	W	W	W	W	W
September 2019	W	W	W	W	W
October 2018	W	W	W	28,512.7	W
<b>Subdistrict 1A</b>					
October 2019	W	W	-	5,528.2	-
September 2019	W	W	-	5,373.2	-
October 2018	W	W	W	5,542.1	W
<b>Connecticut</b>					
October 2019	-	W	-	2,785.0	-
September 2019	-	W	-	2,695.3	-
October 2018	-	W	W	2,675.5	W
<b>Maine</b>					
October 2019	-	-	-	W	-
September 2019	-	-	-	W	-
October 2018	-	-	-	W	-
<b>Massachusetts</b>					
October 2019	W	W	-	1,365.8	-
September 2019	W	W	-	1,315.3	-
October 2018	W	W	-	1,423.9	-
<b>New Hampshire</b>					
October 2019	W	W	-	W	-
September 2019	W	W	-	W	-
October 2018	W	W	-	W	-
<b>Rhode Island</b>					
October 2019	W	W	-	W	-
September 2019	W	W	-	W	-
October 2018	W	W	-	W	-
<b>Vermont</b>					
October 2019	-	-	-	-	-
September 2019	-	-	-	-	-
October 2018	-	-	-	-	-
<b>Subdistrict 1B</b>					
October 2019	W	W	W	W	W
September 2019	W	W	W	W	W
October 2018	W	W	W	18,557.5	W
<b>Delaware</b>					
October 2019	W	W	-	1,169.7	-
September 2019	W	W	-	2,184.0	-
October 2018	W	W	-	1,203.3	-
<b>District of Columbia</b>					
October 2019	-	-	-	-	-
September 2019	-	-	-	-	-
October 2018	-	-	-	-	-
<b>Maryland</b>					
October 2019	-	-	-	4,169.2	-
September 2019	-	-	-	4,025.4	-
October 2018	-	-	-	3,936.9	-
<b>New Jersey</b>					
October 2019	W	W	W	W	W
September 2019	W	W	W	W	W
October 2018	W	W	W	W	W
<b>New York</b>					
October 2019	W	W	W	W	W
September 2019	W	W	W	W	W
October 2018	W	W	W	W	W
<b>Pennsylvania</b>					
October 2019	W	W	-	W	W
September 2019	W	W	-	W	W
October 2018	W	W	-	W	W

See footnotes at end of table.

**Table 40. Refiner motor gasoline volumes by formulation, sales type, PAD District, and state (cont.)**

thousand gallons per day

Geographic area month	All formulations				
	Sales to end users		Sales for resale		
	Through retail outlets	Total[a]	DTW	Rack	Bulk
<b>United States</b>					
October 2019	23,577.7	24,013.2	21,336.9	270,890.4	13,036.8
September 2019	23,635.4	24,052.3	21,616.4	267,392.1	13,113.6
October 2018	24,348.6	24,712.2	21,885.8	266,408.6	17,872.7
<b>PAD District 1</b>					
October 2019	7,815.6	7,992.5	W	W	2,013.9
September 2019	7,789.3	7,951.4	W	W	3,754.1
October 2018	7,918.3	8,027.8	W	79,071.5	W
<b>Subdistrict 1A</b>					
October 2019	W	W	W	W	-
September 2019	W	W	W	W	-
October 2018	W	W	W	W	W
<b>Connecticut</b>					
October 2019	-	W	-	2,785.0	-
September 2019	-	W	-	2,695.3	-
October 2018	-	W	W	2,675.5	W
<b>Maine</b>					
October 2019	-	-	-	731.0	-
September 2019	-	-	-	726.3	-
October 2018	-	-	-	702.8	-
<b>Massachusetts</b>					
October 2019	W	W	-	1,365.8	-
September 2019	W	W	-	1,315.3	-
October 2018	W	W	-	1,423.9	-
<b>New Hampshire</b>					
October 2019	W	W	W	W	-
September 2019	W	W	W	W	-
October 2018	W	W	W	W	-
<b>Rhode Island</b>					
October 2019	W	W	-	998.9	-
September 2019	W	W	-	980.2	-
October 2018	W	W	-	1,104.6	-
<b>Vermont</b>					
October 2019	-	-	W	77.7	-
September 2019	-	-	W	W	-
October 2018	-	-	W	W	-
<b>Subdistrict 1B</b>					
October 2019	4,371.8	4,371.8	W	24,393.0	W
September 2019	4,444.3	4,444.3	W	25,519.7	W
October 2018	4,187.4	4,187.4	W	24,735.0	W
<b>Delaware</b>					
October 2019	W	W	-	1,169.7	-
September 2019	W	W	-	2,184.0	-
October 2018	W	W	-	1,203.3	-
<b>District of Columbia</b>					
October 2019	-	-	-	-	-
September 2019	-	-	-	-	-
October 2018	-	-	-	-	-
<b>Maryland</b>					
October 2019	-	-	-	4,604.7	-
September 2019	-	-	-	4,511.2	-
October 2018	-	-	-	4,329.1	-
<b>New Jersey</b>					
October 2019	W	W	W	W	666.7
September 2019	W	W	W	W	1,152.2
October 2018	W	W	W	W	1,081.5
<b>New York</b>					
October 2019	2,843.2	2,843.2	W	5,826.1	W
September 2019	2,898.1	2,898.1	W	5,629.7	W
October 2018	2,563.1	2,563.1	W	5,795.2	W
<b>Pennsylvania</b>					
October 2019	W	W	-	W	W
September 2019	W	W	-	W	W
October 2018	W	W	-	W	W

See footnotes at end of table.

**Table 40. Refiner motor gasoline volumes by formulation, sales type, PAD District, and state (cont.)**

thousand gallons per day

Geographic area month	Conventional				
	Sales to end users		Sales for resale		
	Through retail outlets	Total[a]	DTW	Rack	Bulk
<b>Subdistrict 1C</b>					
October 2019	W	W	-	W	W
September 2019	W	W	-	W	W
October 2018	W	W	-	W	W
<b>Florida</b>					
October 2019	W	W	-	W	W
September 2019	W	W	-	15,100.9	NA
October 2018	W	W	-	15,770.3	-
<b>Georgia</b>					
October 2019	W	W	-	9,445.6	-
September 2019	W	W	-	W	W
October 2018	W	W	-	9,490.9	-
<b>North Carolina</b>					
October 2019	W	W	-	10,133.0	-
September 2019	W	W	-	9,874.4	-
October 2018	W	W	-	9,839.3	-
<b>South Carolina</b>					
October 2019	W	W	-	4,870.6	-
September 2019	W	W	-	4,715.6	-
October 2018	W	W	-	4,761.4	-
<b>Virginia</b>					
October 2019	-	-	-	W	W
September 2019	-	-	-	W	W
October 2018	-	-	-	W	W
<b>West Virginia</b>					
October 2019	W	W	-	W	W
September 2019	W	W	-	W	W
October 2018	W	W	-	W	W
<b>PAD District 2</b>					
October 2019	W	W	-	W	W
September 2019	W	W	-	W	W
October 2018	W	7,438.1	-	W	W
<b>Illinois</b>					
October 2019	W	W	-	4,071.8	-
September 2019	W	W	-	3,762.1	-
October 2018	W	W	-	W	W
<b>Indiana</b>					
October 2019	W	W	-	W	W
September 2019	W	W	-	W	W
October 2018	W	W	-	W	W
<b>Iowa</b>					
October 2019	-	W	-	3,635.7	-
September 2019	-	W	-	3,420.3	-
October 2018	-	W	-	2,854.0	-
<b>Kansas</b>					
October 2019	W	W	-	W	W
September 2019	W	W	-	W	W
October 2018	W	W	-	W	W
<b>Kentucky</b>					
October 2019	W	W	-	3,332.4	-
September 2019	W	W	-	3,306.8	-
October 2018	W	W	-	W	W
<b>Michigan</b>					
October 2019	W	W	-	W	W
September 2019	W	W	-	W	W
October 2018	W	W	-	W	W
<b>Minnesota</b>					
October 2019	W	W	-	W	W
September 2019	W	W	-	W	W
October 2018	806.8	813.4	-	W	W
<b>Missouri</b>					
October 2019	-	W	-	2,979.9	-
September 2019	-	W	-	2,940.7	-
October 2018	-	W	-	2,980.5	-

See footnotes at end of table.

**Table 40. Refiner motor gasoline volumes by formulation, sales type, PAD District, and state (cont.)**

thousand gallons per day

Geographic area month	Reformulated				
	Sales to end users		Sales for resale		
	Through retail outlets	Total[a]	DTW	Rack	Bulk
<b>Subdistrict 1C</b>					
October 2019	-	W	-	4,326.5	-
September 2019	-	W	-	4,335.4	-
October 2018	-	-	-	4,413.0	-
<b>Florida</b>					
October 2019	-	-	-	-	-
September 2019	-	-	-	-	-
October 2018	-	-	-	-	-
<b>Georgia</b>					
October 2019	-	-	-	-	-
September 2019	-	-	-	-	-
October 2018	-	-	-	-	-
<b>North Carolina</b>					
October 2019	-	-	-	-	-
September 2019	-	-	-	-	-
October 2018	-	-	-	-	-
<b>South Carolina</b>					
October 2019	-	-	-	-	-
September 2019	-	-	-	-	-
October 2018	-	-	-	-	-
<b>Virginia</b>					
October 2019	-	W	-	4,326.5	-
September 2019	-	W	-	4,335.4	-
October 2018	-	-	-	4,413.0	-
<b>West Virginia</b>					
October 2019	-	-	-	-	-
September 2019	-	-	-	-	-
October 2018	-	-	-	-	-
<b>PAD District 2</b>					
October 2019	W	W	-	W	W
September 2019	W	W	-	W	W
October 2018	W	W	-	W	W
<b>Illinois</b>					
October 2019	W	W	-	W	W
September 2019	W	W	-	W	W
October 2018	W	W	-	W	W
<b>Indiana</b>					
October 2019	W	W	-	986.7	-
September 2019	W	W	-	945.1	-
October 2018	W	W	-	932.9	-
<b>Iowa</b>					
October 2019	-	-	-	-	-
September 2019	-	-	-	-	-
October 2018	-	-	-	-	-
<b>Kansas</b>					
October 2019	-	-	-	-	-
September 2019	-	-	-	-	-
October 2018	-	-	-	-	-
<b>Kentucky</b>					
October 2019	W	W	-	802.7	-
September 2019	W	W	-	838.1	-
October 2018	W	W	-	635.1	-
<b>Michigan</b>					
October 2019	-	-	-	-	-
September 2019	-	-	-	-	-
October 2018	-	-	-	-	-
<b>Minnesota</b>					
October 2019	-	-	-	-	-
September 2019	-	-	-	-	-
October 2018	-	-	-	-	-
<b>Missouri</b>					
October 2019	-	-	-	W	W
September 2019	-	-	-	W	W
October 2018	-	-	-	W	W

See footnotes at end of table.

**Table 40. Refiner motor gasoline volumes by formulation, sales type, PAD District, and state (cont.)**

thousand gallons per day

Geographic area month	All formulations				
	Sales to end users		Sales for resale		
	Through retail outlets	Total[a]	DTW	Rack	Bulk
<b>Subdistrict 1C</b>					
October 2019	W	W	-	W	W
September 2019	W	W	-	W	W
October 2018	W	W	-	W	W
<b>Florida</b>					
October 2019	W	W	-	W	W
September 2019	W	W	-	15,100.9	NA
October 2018	W	W	-	15,770.3	-
<b>Georgia</b>					
October 2019	W	W	-	9,445.6	-
September 2019	W	W	-	W	W
October 2018	W	W	-	9,490.9	-
<b>North Carolina</b>					
October 2019	W	W	-	10,133.0	-
September 2019	W	W	-	9,874.4	-
October 2018	W	W	-	9,839.3	-
<b>South Carolina</b>					
October 2019	W	W	-	4,870.6	-
September 2019	W	W	-	4,715.6	-
October 2018	W	W	-	4,761.4	-
<b>Virginia</b>					
October 2019	-	W	-	W	W
September 2019	-	W	-	W	W
October 2018	-	-	-	W	W
<b>West Virginia</b>					
October 2019	W	W	-	W	W
September 2019	W	W	-	W	W
October 2018	W	W	-	W	W
<b>PAD District 2</b>					
October 2019	W	W	-	86,497.0	821.3
September 2019	W	W	-	84,145.2	958.1
October 2018	W	W	-	85,232.9	1,743.9
<b>Illinois</b>					
October 2019	W	W	-	W	W
September 2019	W	W	-	W	W
October 2018	W	W	-	12,060.4	90.6
<b>Indiana</b>					
October 2019	W	W	-	W	W
September 2019	W	W	-	W	W
October 2018	W	W	-	W	W
<b>Iowa</b>					
October 2019	-	W	-	3,635.7	-
September 2019	-	W	-	3,420.3	-
October 2018	-	W	-	2,854.0	-
<b>Kansas</b>					
October 2019	W	W	-	W	W
September 2019	W	W	-	W	W
October 2018	W	W	-	W	W
<b>Kentucky</b>					
October 2019	W	W	-	4,135.1	-
September 2019	W	W	-	4,145.0	-
October 2018	W	W	-	W	W
<b>Michigan</b>					
October 2019	W	W	-	W	W
September 2019	W	W	-	W	W
October 2018	W	W	-	W	W
<b>Minnesota</b>					
October 2019	W	W	-	W	W
September 2019	W	W	-	W	W
October 2018	806.8	813.4	-	W	W
<b>Missouri</b>					
October 2019	-	W	-	W	W
September 2019	-	W	-	W	W
October 2018	-	W	-	W	W

See footnotes at end of table.



**Table 40. Refiner motor gasoline volumes by formulation, sales type, PAD District, and state (cont.)**

thousand gallons per day

Geographic area month	Conventional				
	Sales to end users		Sales for resale		
	Through retail outlets	Total[a]	DTW	Rack	Bulk
<b>PAD District 2 (cont.)</b>					
<b>Nebraska</b>					
October 2019	W	W	-	1,795.4	-
September 2019	W	W	-	1,726.9	-
October 2018	W	W	-	1,744.2	-
<b>North Dakota</b>					
October 2019	W	W	-	978.2	-
September 2019	W	W	-	963.0	-
October 2018	W	W	-	1,059.6	-
<b>Ohio</b>					
October 2019	W	W	-	W	W
September 2019	W	W	-	W	W
October 2018	W	W	-	W	W
<b>Oklahoma</b>					
October 2019	W	W	-	4,376.1	341.4
September 2019	W	W	-	4,388.1	415.8
October 2018	W	W	-	4,311.5	775.0
<b>South Dakota</b>					
October 2019	W	W	-	1,176.2	-
September 2019	W	W	-	1,164.4	-
October 2018	W	W	-	1,104.6	-
<b>Tennessee</b>					
October 2019	W	W	-	10,216.8	-
September 2019	W	W	-	10,196.0	-
October 2018	W	W	-	W	W
<b>Wisconsin</b>					
October 2019	W	W	-	4,109.9	-
September 2019	W	W	-	3,889.3	-
October 2018	W	51.3	-	4,123.3	-
<b>PAD District 3</b>					
October 2019	W	W	234.2	W	W
September 2019	W	W	237.7	W	W
October 2018	1,079.1	1,118.3	W	W	W
<b>Alabama</b>					
October 2019	W	W	-	5,743.0	-
September 2019	W	W	-	5,640.2	-
October 2018	-	W	-	5,441.7	-
<b>Arkansas</b>					
October 2019	-	-	-	3,378.5	-
September 2019	-	-	-	3,258.5	-
October 2018	-	-	-	3,155.5	-
<b>Louisiana</b>					
October 2019	-	W	-	6,428.6	3,058.3
September 2019	-	W	-	6,351.8	2,948.0
October 2018	-	W	-	6,409.2	3,719.7
<b>Mississippi</b>					
October 2019	-	-	-	2,948.3	812.5
September 2019	-	-	-	2,993.5	549.5
October 2018	-	-	-	W	W
<b>New Mexico</b>					
October 2019	W	503.2	W	W	-
September 2019	W	508.6	W	W	-
October 2018	W	485.0	W	W	-
<b>Texas</b>					
October 2019	W	W	W	W	W
September 2019	W	W	W	W	W
October 2018	W	W	W	W	W

See footnotes at end of table.

**Table 40. Refiner motor gasoline volumes by formulation, sales type, PAD District, and state (cont.)**

thousand gallons per day

Geographic area month	Reformulated				
	Sales to end users		Sales for resale		
	Through retail outlets	Total[a]	DTW	Rack	Bulk
<b>PAD District 2 (cont.)</b>					
<b>Nebraska</b>					
October 2019	-	-	-	-	-
September 2019	-	-	-	-	-
October 2018	-	-	-	-	-
<b>North Dakota</b>					
October 2019	-	-	-	-	-
September 2019	-	-	-	-	-
October 2018	-	-	-	-	-
<b>Ohio</b>					
October 2019	-	-	-	-	-
September 2019	-	-	-	-	-
October 2018	-	-	-	-	-
<b>Oklahoma</b>					
October 2019	-	-	-	-	-
September 2019	-	-	-	-	-
October 2018	-	-	-	-	-
<b>South Dakota</b>					
October 2019	-	-	-	-	-
September 2019	-	-	-	-	-
October 2018	-	-	-	-	-
<b>Tennessee</b>					
October 2019	-	-	-	-	-
September 2019	-	-	-	-	-
October 2018	-	-	-	-	-
<b>Wisconsin</b>					
October 2019	W	W	-	1,718.7	-
September 2019	W	W	-	1,597.0	-
October 2018	W	W	-	1,582.6	-
<b>PAD District 3</b>					
October 2019	W	W	-	W	-
September 2019	W	W	-	W	-
October 2018	-	-	-	W	W
<b>Alabama</b>					
October 2019	-	-	-	-	-
September 2019	-	-	-	-	-
October 2018	-	-	-	-	-
<b>Arkansas</b>					
October 2019	-	-	-	-	-
September 2019	-	-	-	-	-
October 2018	-	-	-	-	-
<b>Louisiana</b>					
October 2019	-	-	-	-	-
September 2019	-	-	-	-	-
October 2018	-	-	-	-	-
<b>Mississippi</b>					
October 2019	-	-	-	-	-
September 2019	-	-	-	-	-
October 2018	-	-	-	-	-
<b>New Mexico</b>					
October 2019	-	-	-	-	-
September 2019	-	-	-	-	-
October 2018	-	-	-	-	-
<b>Texas</b>					
October 2019	W	W	-	W	-
September 2019	W	W	-	W	-
October 2018	-	-	-	W	W

See footnotes at end of table.

**Table 40. Refiner motor gasoline volumes by formulation, sales type, PAD District, and state (cont.)**

thousand gallons per day

Geographic area month	All formulations				
	Sales to end users		Sales for resale		
	Through retail outlets	Total[a]	DTW	Rack	Bulk
<b>PAD District 2 (cont.)</b>					
<b>Nebraska</b>					
October 2019	W	W	-	1,795.4	-
September 2019	W	W	-	1,726.9	-
October 2018	W	W	-	1,744.2	-
<b>North Dakota</b>					
October 2019	W	W	-	978.2	-
September 2019	W	W	-	963.0	-
October 2018	W	W	-	1,059.6	-
<b>Ohio</b>					
October 2019	W	W	-	W	W
September 2019	W	W	-	W	W
October 2018	W	W	-	W	W
<b>Oklahoma</b>					
October 2019	W	W	-	4,376.1	341.4
September 2019	W	W	-	4,388.1	415.8
October 2018	W	W	-	4,311.5	775.0
<b>South Dakota</b>					
October 2019	W	W	-	1,176.2	-
September 2019	W	W	-	1,164.4	-
October 2018	W	W	-	1,104.6	-
<b>Tennessee</b>					
October 2019	W	W	-	10,216.8	-
September 2019	W	W	-	10,196.0	-
October 2018	W	W	-	W	W
<b>Wisconsin</b>					
October 2019	W	W	-	5,828.6	-
September 2019	W	W	-	5,486.2	-
October 2018	W	W	-	5,705.9	-
<b>PAD District 3</b>					
October 2019	1,115.5	1,180.1	234.2	56,862.5	8,545.1
September 2019	1,090.5	1,153.8	237.7	55,984.4	6,438.1
October 2018	1,079.1	1,118.3	W	54,828.4	W
<b>Alabama</b>					
October 2019	W	W	-	5,743.0	-
September 2019	W	W	-	5,640.2	-
October 2018	-	W	-	5,441.7	-
<b>Arkansas</b>					
October 2019	-	-	-	3,378.5	-
September 2019	-	-	-	3,258.5	-
October 2018	-	-	-	3,155.5	-
<b>Louisiana</b>					
October 2019	-	W	-	6,428.6	3,058.3
September 2019	-	W	-	6,351.8	2,948.0
October 2018	-	W	-	6,409.2	3,719.7
<b>Mississippi</b>					
October 2019	-	-	-	2,948.3	812.5
September 2019	-	-	-	2,993.5	549.5
October 2018	-	-	-	W	W
<b>New Mexico</b>					
October 2019	W	503.2	W	W	-
September 2019	W	508.6	W	W	-
October 2018	W	485.0	W	W	-
<b>Texas</b>					
October 2019	613.6	615.6	W	W	4,674.3
September 2019	580.1	581.3	W	W	2,940.5
October 2018	W	W	W	34,865.5	W

See footnotes at end of table.

**Table 40. Refiner motor gasoline volumes by formulation, sales type, PAD District, and state (cont.)**

thousand gallons per day

Geographic area month	Conventional				
	Sales to end users		Sales for resale		
	Through retail outlets	Total[a]	DTW	Rack	Bulk
<b>PAD District 4</b>					
October 2019	W	W	W	W	-
September 2019	W	W	W	W	-
October 2018	W	W	W	12,959.5	W
<b>Colorado</b>					
October 2019	213.8	217.5	W	W	-
September 2019	220.9	225.3	W	W	-
October 2018	211.4	216.4	W	5,319.5	W
<b>Idaho</b>					
October 2019	W	W	-	1,751.1	-
September 2019	W	W	-	1,767.5	-
October 2018	W	W	-	1,688.1	-
<b>Montana</b>					
October 2019	W	W	-	1,502.3	-
September 2019	W	W	-	1,612.0	-
October 2018	W	W	-	1,477.8	-
<b>Utah</b>					
October 2019	W	W	W	W	-
September 2019	W	W	W	W	-
October 2018	W	W	W	3,442.3	W
<b>Wyoming</b>					
October 2019	W	12.7	-	1,028.1	-
September 2019	W	14.0	-	1,121.2	-
October 2018	W	13.0	-	1,031.8	-
<b>PAD District 5</b>					
October 2019	1,412.4	1,477.6	W	W	W
September 2019	1,436.0	1,498.3	W	W	541.3
October 2018	1,418.5	W	W	13,843.3	W
<b>Alaska</b>					
October 2019	W	W	W	W	W
September 2019	W	W	78.6	W	W
October 2018	W	W	W	W	W
<b>Arizona</b>					
October 2019	W	W	W	1,915.7	-
September 2019	W	W	W	W	-
October 2018	W	W	286.5	W	-
<b>California</b>					
October 2019	-	-	-	W	W
September 2019	-	-	-	-	W
October 2018	-	-	-	-	W
<b>Hawaii</b>					
October 2019	W	W	W	W	W
September 2019	W	W	W	W	W
October 2018	W	W	W	W	W
<b>Nevada</b>					
October 2019	W	W	W	W	-
September 2019	W	W	W	W	-
October 2018	W	W	W	1,825.8	W
<b>Oregon</b>					
October 2019	112.4	112.4	818.2	3,536.8	-
September 2019	106.1	106.1	810.1	3,397.3	-
October 2018	115.0	115.0	W	3,455.4	W
<b>Washington</b>					
October 2019	435.3	441.5	W	6,126.4	W
September 2019	440.0	446.4	W	5,943.6	W
October 2018	407.7	415.2	W	5,911.4	W

See footnotes at end of table.

**Table 40. Refiner motor gasoline volumes by formulation, sales type, PAD District, and state (cont.)**

thousand gallons per day

Geographic area month	Reformulated				
	Sales to end users		Sales for resale		
	Through retail outlets	Total[a]	DTW	Rack	Bulk
<b>PAD District 4</b>					
October 2019	-	-	-	-	-
September 2019	-	-	-	-	-
October 2018	-	-	-	-	-
<b>Colorado</b>					
October 2019	-	-	-	-	-
September 2019	-	-	-	-	-
October 2018	-	-	-	-	-
<b>Idaho</b>					
October 2019	-	-	-	-	-
September 2019	-	-	-	-	-
October 2018	-	-	-	-	-
<b>Montana</b>					
October 2019	-	-	-	-	-
September 2019	-	-	-	-	-
October 2018	-	-	-	-	-
<b>Utah</b>					
October 2019	-	-	-	-	-
September 2019	-	-	-	-	-
October 2018	-	-	-	-	-
<b>Wyoming</b>					
October 2019	-	-	-	-	-
September 2019	-	-	-	-	-
October 2018	-	-	-	-	-
<b>PAD District 5</b>					
October 2019	4,039.4	4,042.0	W	W	W
September 2019	4,239.7	4,242.5	W	W	1,422.0
October 2018	4,573.5	W	W	20,473.0	W
<b>Alaska</b>					
October 2019	-	-	-	-	-
September 2019	-	-	-	-	-
October 2018	-	-	-	-	-
<b>Arizona</b>					
October 2019	-	W	W	2,865.7	NA
September 2019	-	W	W	W	W
October 2018	-	W	W	W	W
<b>California</b>					
October 2019	4,039.4	W	14,818.8	W	W
September 2019	4,239.7	W	15,184.7	18,140.3	W
October 2018	4,573.5	4,574.9	15,377.8	W	W
<b>Hawaii</b>					
October 2019	-	-	-	-	-
September 2019	-	-	-	-	-
October 2018	-	-	-	-	-
<b>Nevada</b>					
October 2019	-	-	-	-	-
September 2019	-	-	-	-	-
October 2018	-	-	-	-	-
<b>Oregon</b>					
October 2019	-	-	-	-	-
September 2019	-	-	-	-	-
October 2018	-	-	-	-	-
<b>Washington</b>					
October 2019	-	-	-	-	-
September 2019	-	-	-	-	-
October 2018	-	-	-	-	-

See footnotes at end of table.

**Table 40. Refiner motor gasoline volumes by formulation, sales type, PAD District, and state (cont.)**

thousand gallons per day

Geographic area month	All formulations				
	Sales to end users		Sales for resale		
	Through retail outlets	Total[a]	DTW	Rack	Bulk
<b>PAD District 4</b>					
October 2019	W	W	W	W	-
September 2019	W	W	W	W	-
October 2018	W	W	W	12,959.5	W
<b>Colorado</b>					
October 2019	213.8	217.5	W	W	-
September 2019	220.9	225.3	W	W	-
October 2018	211.4	216.4	W	5,319.5	W
<b>Idaho</b>					
October 2019	W	W	-	1,751.1	-
September 2019	W	W	-	1,767.5	-
October 2018	W	W	-	1,688.1	-
<b>Montana</b>					
October 2019	W	W	-	1,502.3	-
September 2019	W	W	-	1,612.0	-
October 2018	W	W	-	1,477.8	-
<b>Utah</b>					
October 2019	W	W	W	W	-
September 2019	W	W	W	W	-
October 2018	W	W	W	3,442.3	W
<b>Wyoming</b>					
October 2019	W	12.7	-	1,028.1	-
September 2019	W	14.0	-	1,121.2	-
October 2018	W	13.0	-	1,031.8	-
<b>PAD District 5</b>					
October 2019	5,451.7	5,519.6	19,451.6	35,132.3	1,656.6
September 2019	5,675.7	5,740.7	19,713.1	34,707.2	1,963.3
October 2018	5,992.1	6,066.7	W	34,316.3	W
<b>Alaska</b>					
October 2019	W	W	W	W	W
September 2019	W	W	78.6	W	W
October 2018	W	W	W	W	W
<b>Arizona</b>					
October 2019	W	W	1,409.3	4,781.4	NA
September 2019	W	W	W	4,793.6	W
October 2018	W	W	W	4,840.6	W
<b>California</b>					
October 2019	4,039.4	4,041.0	14,818.8	18,254.9	1,228.5
September 2019	4,239.7	4,241.4	15,184.7	18,140.3	1,473.0
October 2018	4,573.5	4,574.9	15,377.8	17,517.4	1,952.9
<b>Hawaii</b>					
October 2019	W	W	W	W	W
September 2019	W	W	W	W	W
October 2018	W	W	W	W	W
<b>Nevada</b>					
October 2019	W	W	W	W	-
September 2019	W	W	W	W	-
October 2018	W	W	W	1,825.8	W
<b>Oregon</b>					
October 2019	112.4	112.4	818.2	3,536.8	-
September 2019	106.1	106.1	810.1	3,397.3	-
October 2018	115.0	115.0	W	3,455.4	W
<b>Washington</b>					
October 2019	435.3	441.5	W	6,126.4	W
September 2019	440.0	446.4	W	5,943.6	W
October 2018	407.7	415.2	W	5,911.4	W

- = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

[a] Includes sales through retail outlets as well as all direct sales to end users that were not made through company-operated retail outlets, e.g., sales to agricultural customers, commercial sales, and industrial sales.

Notes: - Beginning January 2007, oxygenated gasoline is included in conventional gasoline. - Values shown for the current month are preliminary. Values shown for previous months are revised. Data through 2019 are final. Totals may not equal the sum of the components due to rounding.

Sources: - U.S. Energy Information Administration Form EIA-782A, Refiners'/Gas Plant Operators, Monthly Petroleum Product Sales Report.

**Table 41. Refiner volumes of aviation fuels, kerosene, No. 1 distillate, and propane (consumer grade) by PAD District and state**  
thousand gallons per day

Geographic area month	Aviation gasoline		Kerosene-type jet fuel		Kerosene		No. 1 distillate		Propane (consumer grade)	
	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale
<b>United States</b>										
October 2019	W	459.5	31,039.0	40,418.7	W	1,135.6	98.0	1,316.6	3,080.0	29,511.7
September 2019	W	461.9	32,130.6	44,285.5	2.0	1,198.3	63.3	405.4	3,431.0	27,721.4
October 2018	W	532.3	32,140.0	37,875.6	W	1,007.5	77.8	1,245.8	4,184.8	28,478.0
<b>PAD District 1</b>										
October 2019	W	147.7	5,293.0	7,971.8	4.6	338.5	-	W	-	3,937.5
September 2019	W	135.1	5,614.4	8,492.3	1.3	435.8	-	W	-	3,554.8
October 2018	W	127.0	5,960.3	5,907.1	W	461.1	-	W	W	5,115.1
<b>Subdistrict 1A</b>										
October 2019	-	W	173.9	1,074.5	W	-	-	-	-	436.3
September 2019	W	W	151.6	1,038.9	W	-	-	-	-	330.2
October 2018	-	W	225.6	824.6	W	-	-	-	W	865.9
<b>Connecticut</b>										
October 2019	-	-	W	W	-	-	-	-	-	53.5
September 2019	-	-	W	W	-	-	-	-	-	28.3
October 2018	-	-	W	W	-	-	-	-	-	96.9
<b>Maine</b>										
October 2019	-	W	W	W	-	-	-	-	-	155.5
September 2019	W	W	W	W	-	-	-	-	-	123.1
October 2018	-	W	W	W	-	-	-	-	W	264.3
<b>Massachusetts</b>										
October 2019	-	-	W	894.5	W	-	-	-	-	W
September 2019	-	-	W	987.6	W	-	-	-	-	W
October 2018	-	-	W	773.3	W	-	-	-	-	114.6
<b>New Hampshire</b>										
October 2019	-	-	W	-	W	-	-	-	-	79.2
September 2019	-	-	W	-	W	-	-	-	-	47.1
October 2018	-	-	W	W	W	-	-	-	-	102.3
<b>Rhode Island</b>										
October 2019	-	-	W	W	W	-	-	-	-	W
September 2019	-	-	W	W	W	-	-	-	-	W
October 2018	-	-	W	W	W	-	-	-	-	W
<b>Vermont</b>										
October 2019	-	-	W	W	-	-	-	-	-	W
September 2019	-	-	W	W	-	-	-	-	-	W
October 2018	-	-	W	W	-	-	-	-	W	W
<b>Subdistrict 1B</b>										
October 2019	W	W	2,368.1	4,981.6	3.2	289.9	-	W	-	1,585.1
September 2019	-	W	2,570.7	5,974.0	1.0	W	-	W	-	1,408.2
October 2018	W	W	2,653.4	3,379.5	4.6	396.5	-	W	-	1,977.2
<b>Delaware</b>										
October 2019	-	-	-	-	W	-	-	-	-	W
September 2019	-	-	-	-	W	W	-	-	-	W
October 2018	-	-	-	W	W	W	-	-	-	135.7
<b>District of Columbia</b>										
October 2019	-	-	-	-	-	-	-	-	-	-
September 2019	-	-	-	-	-	-	-	-	-	-
October 2018	-	-	-	-	-	-	-	-	-	-
<b>Maryland</b>										
October 2019	-	-	W	W	-	W	-	-	-	W
September 2019	-	-	W	61.9	-	W	-	-	-	W
October 2018	-	-	W	W	-	W	-	-	-	44.0
<b>New Jersey</b>										
October 2019	-	-	854.8	3,743.6	W	W	-	-	-	270.4
September 2019	-	-	1,053.1	3,873.8	W	211.4	-	-	-	243.3
October 2018	-	-	1,092.5	2,939.9	W	299.1	-	-	-	248.8
<b>New York</b>										
October 2019	-	W	1,232.4	W	W	31.6	-	W	-	346.7
September 2019	-	W	1,225.5	71.8	W	9.8	-	W	-	253.7
October 2018	-	W	1,275.6	72.7	W	32.2	-	W	-	405.6
<b>Pennsylvania</b>										
October 2019	W	W	W	1,098.1	1.0	W	-	W	-	799.9
September 2019	-	W	W	1,966.5	0.5	W	-	W	-	749.5
October 2018	W	W	W	298.8	1.6	W	-	W	-	1,143.1

See footnotes at end of table.

**Table 41. Refiner volumes of aviation fuels, kerosene, No. 1 distillate, and propane (consumer grade) by PAD District and state (cont.)**

thousand gallons per day

Geographic area month	Aviation gasoline		Kerosene-type jet fuel		Kerosene		No. 1 distillate		Propane (consumer grade)	
	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale
<b>Subdistrict 1C</b>										
October 2019	W	105.5	2,751.0	1,915.7	W	48.6	-	W	-	1,916.1
September 2019	W	90.2	2,892.2	1,479.4	W	W	-	W	-	1,816.3
October 2018	W	97.6	3,081.3	1,703.0	W	64.6	-	W	-	2,272.1
<b>Florida</b>										
October 2019	-	73.5	1,684.3	1,369.2	W	-	-	-	-	285.7
September 2019	-	62.4	1,817.4	1,026.4	W	-	-	-	-	299.9
October 2018	-	64.7	2,103.9	1,168.5	W	-	-	-	-	307.8
<b>Georgia</b>										
October 2019	W	W	W	88.1	-	W	-	W	-	411.3
September 2019	W	W	W	73.3	-	W	-	W	-	331.1
October 2018	W	W	W	92.6	-	W	-	W	-	483.0
<b>North Carolina</b>										
October 2019	-	W	W	237.9	W	44.2	-	-	-	624.6
September 2019	-	W	W	153.5	W	W	-	-	-	630.2
October 2018	-	W	W	266.5	W	W	-	-	-	677.6
<b>South Carolina</b>										
October 2019	-	-	W	W	W	W	-	-	-	350.4
September 2019	-	-	W	W	W	W	-	-	-	296.5
October 2018	-	-	W	76.4	W	W	-	-	-	517.8
<b>Virginia</b>										
October 2019	-	W	535.2	140.4	-	W	-	-	-	W
September 2019	-	W	555.2	158.2	-	W	-	-	-	W
October 2018	-	W	473.2	W	-	W	-	-	-	100.3
<b>West Virginia</b>										
October 2019	-	-	-	W	W	-	-	-	-	W
September 2019	-	-	-	W	W	-	-	-	-	W
October 2018	-	-	W	W	W	-	-	-	-	185.6
<b>PAD District 2</b>										
October 2019	W	94.8	6,218.5	5,051.0	W	W	15.0	738.4	W	12,671.5
September 2019	W	94.7	6,437.3	4,867.2	W	W	8.1	181.4	W	8,627.3
October 2018	W	W	6,543.5	5,037.5	W	W	7.2	726.5	W	11,846.0
<b>Illinois</b>										
October 2019	W	W	1,622.3	W	W	W	W	38.7	-	2,217.6
September 2019	W	W	1,588.5	W	W	W	W	W	-	1,469.2
October 2018	W	W	1,568.7	W	W	W	W	12.5	W	1,551.5
<b>Indiana</b>										
October 2019	-	-	829.7	234.0	W	8.3	-	W	-	318.8
September 2019	-	-	935.8	281.4	W	W	-	W	-	249.9
October 2018	-	-	995.6	238.8	W	10.6	-	W	-	200.2
<b>Iowa</b>										
October 2019	-	-	W	90.6	-	W	-	47.5	W	955.0
September 2019	-	-	W	84.3	-	W	-	15.8	W	267.6
October 2018	-	-	W	83.1	-	-	-	36.3	W	1,133.0
<b>Kansas</b>										
October 2019	W	W	W	W	-	W	W	76.8	-	3,910.0
September 2019	W	W	W	W	-	W	W	14.4	-	2,602.0
October 2018	W	W	W	W	-	W	W	64.9	-	3,210.1
<b>Kentucky</b>										
October 2019	-	W	1,336.9	367.0	W	W	-	W	W	515.6
September 2019	W	W	1,194.7	349.0	W	W	W	W	W	464.6
October 2018	-	W	1,118.1	W	W	W	W	W	W	631.2
<b>Michigan</b>										
October 2019	-	-	W	480.1	W	W	W	6.0	W	655.4
September 2019	-	-	W	477.2	W	W	W	7.5	W	664.9
October 2018	W	-	W	432.0	W	W	W	W	W	563.6
<b>Minnesota</b>										
October 2019	W	W	76.6	1,099.9	W	W	W	140.3	W	753.2
September 2019	W	W	75.0	1,085.7	W	W	W	29.5	W	330.2
October 2018	W	W	161.6	W	W	W	W	143.7	W	1,046.2
<b>Missouri</b>										
October 2019	W	W	W	W	-	W	W	4.5	-	446.9
September 2019	W	W	W	W	-	-	W	W	-	270.7
October 2018	W	W	W	W	-	W	W	4.6	-	385.6

See footnotes at end of table.



**Table 41. Refiner volumes of aviation fuels, kerosene, No. 1 distillate, and propane (consumer grade) by PAD District and state (cont.)**

thousand gallons per day

Geographic area month	Aviation gasoline		Kerosene-type jet fuel		Kerosene		No. 1 distillate		Propane (consumer grade)	
	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale
<b>PAD District 2 (cont.)</b>										
<b>Nebraska</b>										
October 2019	W	-	W	W	-	-	W	63.3	W	298.9
September 2019	W	-	W	W	-	-	W	W	W	159.5
October 2018	W	-	W	W	-	-	W	47.8	-	289.2
<b>North Dakota</b>										
October 2019	-	-	W	W	W	-	W	227.4	W	645.5
September 2019	-	-	W	W	W	-	W	W	W	545.5
October 2018	-	-	W	W	W	-	W	198.7	W	710.5
<b>Ohio</b>										
October 2019	W	W	476.2	535.3	W	W	-	W	-	711.4
September 2019	W	W	448.3	570.5	W	W	-	W	-	667.3
October 2018	W	W	480.7	541.8	W	W	-	W	-	699.3
<b>Oklahoma</b>										
October 2019	W	-	W	550.4	-	W	-	W	-	348.4
September 2019	W	-	W	454.5	-	W	-	W	W	259.9
October 2018	W	-	W	566.4	-	W	-	W	-	304.7
<b>South Dakota</b>										
October 2019	-	-	W	-	-	-	W	60.1	W	134.6
September 2019	-	-	W	-	-	-	W	W	W	102.6
October 2018	W	-	W	-	-	-	W	39.5	W	255.0
<b>Tennessee</b>										
October 2019	W	18.5	W	215.2	W	W	-	W	-	170.3
September 2019	W	W	W	147.9	W	W	-	W	-	152.3
October 2018	W	16.4	W	192.0	W	W	-	W	-	187.5
<b>Wisconsin</b>										
October 2019	-	-	W	15.2	W	-	W	35.4	W	589.8
September 2019	-	-	W	15.7	W	W	W	W	W	421.2
October 2018	-	-	62.6	W	W	W	W	34.4	W	678.3
<b>PAD District 3</b>										
October 2019	W	115.2	5,907.9	17,250.4	-	728.2	-	-	2,855.0	9,874.9
September 2019	W	136.4	5,539.7	20,108.5	-	735.4	-	-	3,312.0	12,901.9
October 2018	W	130.1	5,463.0	17,842.9	-	441.4	-	W	3,793.7	8,704.4
<b>Alabama</b>										
October 2019	-	W	86.6	75.4	-	W	-	-	-	266.9
September 2019	-	W	153.4	67.7	-	W	-	-	-	159.8
October 2018	-	W	72.2	71.2	-	W	-	-	-	249.2
<b>Arkansas</b>										
October 2019	W	-	W	W	-	-	-	-	-	W
September 2019	-	-	W	W	-	-	-	-	-	W
October 2018	-	-	W	W	-	-	-	-	-	W
<b>Louisiana</b>										
October 2019	-	7.4	690.0	3,606.0	-	W	-	-	W	176.7
September 2019	-	7.2	1,046.1	4,858.2	-	W	-	-	776.9	451.4
October 2018	W	6.5	604.6	6,046.0	-	W	-	W	977.5	192.8
<b>Mississippi</b>										
October 2019	-	W	943.5	1,978.9	-	W	-	-	-	462.6
September 2019	-	W	1,070.4	2,996.3	-	-	-	-	-	358.1
October 2018	-	W	962.8	1,946.0	-	W	-	-	-	436.8
<b>New Mexico</b>										
October 2019	W	-	W	W	-	-	-	-	-	W
September 2019	W	-	W	W	-	-	-	-	-	W
October 2018	W	-	W	W	-	-	-	-	-	W
<b>Texas</b>										
October 2019	W	104.5	4,114.2	11,461.4	-	W	-	-	W	8,842.0
September 2019	W	W	3,196.4	12,076.4	-	W	-	-	2,535.2	11,798.8
October 2018	W	W	3,750.7	9,674.2	-	W	-	-	2,816.3	7,689.7

See footnotes at end of table.

**Table 41. Refiner volumes of aviation fuels, kerosene, No. 1 distillate, and propane (consumer grade) by PAD District and state (cont.)**

thousand gallons per day

Geographic area month	Aviation gasoline		Kerosene-type jet fuel		Kerosene		No. 1 distillate		Propane (consumer grade)	
	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale
<b>PAD District 4</b>										
October 2019	W	W	1,002.4	993.9	W	-	W	W	W	1,116.8
September 2019	W	W	1,053.0	1,227.7	-	-	W	W	W	976.2
October 2018	W	W	930.0	1,016.4	W	-	W	171.4	W	1,021.5
<b>Colorado</b>										
October 2019	W	-	343.6	640.3	-	-	W	70.0	-	409.5
September 2019	W	-	371.1	821.4	-	-	-	10.3	W	372.8
October 2018	W	-	285.7	654.3	-	-	-	53.4	W	386.2
<b>Idaho</b>										
October 2019	-	-	W	16.4	W	-	W	W	W	48.2
September 2019	-	-	W	23.1	-	-	W	2.6	W	52.8
October 2018	-	-	W	25.3	W	-	W	W	W	47.3
<b>Montana</b>										
October 2019	W	W	W	W	-	-	W	67.7	W	133.7
September 2019	W	W	W	W	-	-	W	18.6	W	134.6
October 2018	-	W	W	W	-	-	W	43.0	W	122.0
<b>Utah</b>										
October 2019	W	W	482.9	256.0	-	-	W	23.9	-	104.5
September 2019	W	W	483.9	285.8	-	-	W	W	-	84.3
October 2018	W	W	473.5	269.1	-	-	-	W	-	122.2
<b>Wyoming</b>										
October 2019	-	-	W	W	-	-	-	49.5	-	420.9
September 2019	-	-	W	W	-	-	-	5.7	-	331.6
October 2018	-	-	W	W	-	-	W	53.2	-	343.8
<b>PAD District 5</b>										
October 2019	W	W	12,617.2	9,151.6	W	W	W	350.1	W	1,911.0
September 2019	W	W	13,486.2	9,589.8	W	W	W	180.4	W	1,661.3
October 2018	W	175.9	13,243.2	8,071.7	-	W	W	342.8	W	1,790.9
<b>Alaska</b>										
October 2019	W	W	W	W	-	-	W	W	W	W
September 2019	W	W	W	W	-	-	W	W	W	W
October 2018	W	W	W	W	-	-	W	W	W	W
<b>Arizona</b>										
October 2019	W	W	W	205.5	-	-	-	-	-	139.8
September 2019	W	W	W	158.1	-	-	-	-	-	122.5
October 2018	W	W	75.6	367.2	-	-	-	-	-	130.8
<b>California</b>										
October 2019	W	33.4	7,336.8	7,149.7	W	W	-	-	-	1,177.2
September 2019	-	38.6	7,585.3	7,489.7	W	W	-	-	-	971.7
October 2018	W	W	8,055.4	6,187.5	-	W	-	-	-	1,043.8
<b>Hawaii</b>										
October 2019	-	-	W	W	-	-	-	-	-	W
September 2019	-	-	W	W	-	-	-	-	-	W
October 2018	-	W	W	W	-	-	-	-	-	W
<b>Nevada</b>										
October 2019	-	-	W	W	-	-	-	-	-	55.4
September 2019	-	-	W	W	-	-	-	-	-	54.2
October 2018	-	-	W	226.7	-	-	-	-	-	118.1
<b>Oregon</b>										
October 2019	-	10.4	466.0	W	-	-	-	W	W	84.7
September 2019	-	17.2	473.2	W	-	-	-	W	W	W
October 2018	-	20.3	425.4	66.5	-	-	-	W	W	71.5
<b>Washington</b>										
October 2019	-	W	1,831.3	439.3	-	-	W	W	W	403.0
September 2019	-	W	2,149.5	535.6	-	-	W	W	W	417.5
October 2018	-	W	2,138.6	276.2	-	-	-	W	W	386.5

- = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

Notes: - Values shown for the current month are preliminary. Values shown for previous months are revised. Data through 2019 are final. Totals may not equal the sum of the components due to rounding.

Sources: - U.S. Energy Information Administration Form EIA-782A, Refiners'/Gas Plant Operators, Monthly Petroleum Product Sales Report.

**Table 42. Refiner No. 2 diesel fuel volumes by PAD District and state**  
thousand gallons per day

Geographic area month	No. 2 diesel fuel					
	Ultra-low sulfur		Low-sulfur		High-sulfur	
	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale
<b>United States</b>						
October 2019	10,791.5	167,219.5	W	-	W	1,371.9
September 2019	11,901.6	158,790.5	W	-	W	1,542.0
October 2018	13,071.8	159,451.1	W	W	W	W
<b>PAD District 1</b>						
October 2019	W	31,144.4	-	-	-	W
September 2019	W	29,644.1	-	-	-	W
October 2018	W	W	-	-	-	W
<b>Subdistrict 1A</b>						
October 2019	W	W	-	-	-	-
September 2019	W	1,281.3	-	-	-	-
October 2018	W	1,774.4	-	-	-	-
<b>Connecticut</b>						
October 2019	W	W	-	-	-	-
September 2019	W	573.0	-	-	-	-
October 2018	W	637.2	-	-	-	-
<b>Maine</b>						
October 2019	-	W	-	-	-	-
September 2019	-	W	-	-	-	-
October 2018	-	W	-	-	-	-
<b>Massachusetts</b>						
October 2019	W	W	-	-	-	-
September 2019	W	W	-	-	-	-
October 2018	W	W	-	-	-	-
<b>New Hampshire</b>						
October 2019	W	W	-	-	-	-
September 2019	W	W	-	-	-	-
October 2018	W	W	-	-	-	-
<b>Rhode Island</b>						
October 2019	W	274.4	-	-	-	-
September 2019	W	289.9	-	-	-	-
October 2018	W	W	-	-	-	-
<b>Vermont</b>						
October 2019	-	W	-	-	-	-
September 2019	-	W	-	-	-	-
October 2018	W	W	-	-	-	-
<b>Subdistrict 1B</b>						
October 2019	W	W	-	-	-	W
September 2019	W	W	-	-	-	W
October 2018	W	W	-	-	-	W
<b>Delaware</b>						
October 2019	W	W	-	-	-	-
September 2019	W	W	-	-	-	-
October 2018	W	605.1	-	-	-	-
<b>District of Columbia</b>						
October 2019	-	W	-	-	-	-
September 2019	-	W	-	-	-	-
October 2018	-	W	-	-	-	-
<b>Maryland</b>						
October 2019	W	1,472.8	-	-	-	W
September 2019	W	985.4	-	-	-	W
October 2018	W	1,291.1	-	-	-	W
<b>New Jersey</b>						
October 2019	W	W	-	-	-	W
September 2019	148.9	W	-	-	-	W
October 2018	173.6	6,158.0	-	-	-	-
<b>New York</b>						
October 2019	209.1	W	-	-	-	W
September 2019	207.3	W	-	-	-	W
October 2018	W	W	-	-	-	W
<b>Pennsylvania</b>						
October 2019	W	4,066.3	-	-	-	-
September 2019	W	W	-	-	-	-
October 2018	W	5,196.9	-	-	-	-

See footnotes at end of table.

**Table 42. Refiner No. 2 diesel fuel volumes by PAD District and state (cont.)**

thousand gallons per day

Geographic area month	No. 2 diesel fuel					
	Ultra-low sulfur		Low-sulfur		High-sulfur	
	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale
<b>Subdistrict 1C</b>						
October 2019	895.3	16,490.0	-	-	-	-
September 2019	831.0	W	-	-	-	-
October 2018	927.0	15,328.7	-	-	-	-
<b>Florida</b>						
October 2019	227.8	5,119.7	-	-	-	-
September 2019	202.0	4,288.5	-	-	-	-
October 2018	255.6	4,901.7	-	-	-	-
<b>Georgia</b>						
October 2019	49.1	3,003.4	-	-	-	-
September 2019	54.5	2,943.6	-	-	-	-
October 2018	75.4	2,641.3	-	-	-	-
<b>North Carolina</b>						
October 2019	323.8	W	-	-	-	-
September 2019	370.3	W	-	-	-	-
October 2018	416.3	W	-	-	-	-
<b>South Carolina</b>						
October 2019	W	1,657.7	-	-	-	-
September 2019	W	1,591.4	-	-	-	-
October 2018	W	W	-	-	-	-
<b>Virginia</b>						
October 2019	6.5	W	-	-	-	-
September 2019	6.0	2,323.4	-	-	-	-
October 2018	W	W	-	-	-	-
<b>West Virginia</b>						
October 2019	W	W	-	-	-	-
September 2019	W	W	-	-	-	-
October 2018	W	W	-	-	-	-
<b>PAD District 2</b>						
October 2019	W	52,380.5	-	-	-	-
September 2019	W	48,677.4	-	-	-	-
October 2018	W	W	-	-	-	-
<b>Illinois</b>						
October 2019	166.1	7,616.6	-	-	-	-
September 2019	334.7	7,548.3	-	-	-	-
October 2018	372.2	7,192.6	-	-	-	-
<b>Indiana</b>						
October 2019	W	5,106.5	-	-	-	-
September 2019	W	4,240.7	-	-	-	-
October 2018	W	4,219.5	-	-	-	-
<b>Iowa</b>						
October 2019	29.3	2,553.1	-	-	-	-
September 2019	24.2	1,904.7	-	-	-	-
October 2018	19.6	2,314.4	-	-	-	-
<b>Kansas</b>						
October 2019	358.3	3,876.0	-	-	-	-
September 2019	W	3,894.0	-	-	-	-
October 2018	413.7	3,651.6	-	-	-	-
<b>Kentucky</b>						
October 2019	375.3	1,936.2	-	-	-	-
September 2019	376.8	1,876.8	-	-	-	-
October 2018	469.6	2,027.5	-	-	-	-
<b>Michigan</b>						
October 2019	174.6	2,989.8	-	-	-	-
September 2019	230.8	W	-	-	-	-
October 2018	242.3	W	-	-	-	-
<b>Minnesota</b>						
October 2019	W	W	-	-	-	-
September 2019	W	W	-	-	-	-
October 2018	W	W	-	-	-	-
<b>Missouri</b>						
October 2019	1.0	1,854.6	-	-	-	-
September 2019	1.5	1,650.0	-	-	-	-
October 2018	2.8	1,699.8	-	-	-	-

See footnotes at end of table.

**Table 42. Refiner No. 2 diesel fuel volumes by PAD District and state (cont.)**

thousand gallons per day

Geographic area month	No. 2 diesel fuel					
	Ultra-low sulfur		Low-sulfur		High-sulfur	
	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale
<b>PAD District 2 (cont.)</b>						
<b>Nebraska</b>						
October 2019	W	1,695.9	-	-	-	-
September 2019	W	1,423.1	-	-	-	-
October 2018	W	1,560.4	-	-	-	-
<b>North Dakota</b>						
October 2019	W	1,479.2	-	-	-	-
September 2019	W	1,572.5	-	-	-	-
October 2018	W	1,644.5	-	-	-	-
<b>Ohio</b>						
October 2019	422.7	5,755.3	-	-	-	-
September 2019	597.5	5,643.3	-	-	-	-
October 2018	788.1	5,773.4	-	-	-	-
<b>Oklahoma</b>						
October 2019	225.0	6,931.7	-	-	-	-
September 2019	210.3	7,208.7	-	-	-	-
October 2018	W	7,379.7	-	-	-	-
<b>South Dakota</b>						
October 2019	W	726.4	-	-	-	-
September 2019	W	653.8	-	-	-	-
October 2018	W	768.5	-	-	-	-
<b>Tennessee</b>						
October 2019	205.6	4,049.6	-	-	-	-
September 2019	318.7	3,607.4	-	-	-	-
October 2018	363.7	3,829.8	-	-	-	-
<b>Wisconsin</b>						
October 2019	W	W	-	-	-	-
September 2019	W	W	-	-	-	-
October 2018	W	2,331.7	-	-	-	-
<b>PAD District 3</b>						
October 2019	2,549.7	55,389.5	-	-	-	500.9
September 2019	2,634.9	51,280.5	-	-	-	535.1
October 2018	2,840.3	49,107.0	-	W	-	W
<b>Alabama</b>						
October 2019	173.6	1,808.4	-	-	-	-
September 2019	169.9	1,964.7	-	-	-	-
October 2018	137.8	1,826.8	-	-	-	-
<b>Arkansas</b>						
October 2019	W	1,709.8	-	-	-	-
September 2019	W	1,519.5	-	-	-	-
October 2018	W	1,486.0	-	-	-	-
<b>Louisiana</b>						
October 2019	182.5	W	-	-	-	W
September 2019	155.7	W	-	-	-	W
October 2018	207.1	W	-	W	-	W
<b>Mississippi</b>						
October 2019	37.7	W	-	-	-	-
September 2019	35.0	2,494.1	-	-	-	-
October 2018	41.9	W	-	-	-	-
<b>New Mexico</b>						
October 2019	289.5	1,081.6	-	-	-	-
September 2019	254.4	1,035.3	-	-	-	-
October 2018	432.6	1,275.4	-	-	-	-
<b>Texas</b>						
October 2019	W	W	-	-	-	W
September 2019	W	W	-	-	-	W
October 2018	W	W	-	-	-	W

See footnotes at end of table.

**Table 42. Refiner No. 2 diesel fuel volumes by PAD District and state (cont.)**

thousand gallons per day

Geographic area month	No. 2 diesel fuel					
	Ultra-low sulfur		Low-sulfur		High-sulfur	
	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale
<b>PAD District 4</b>						
October 2019	W	7,409.2	-	-	-	-
September 2019	W	7,408.7	-	-	-	-
October 2018	W	6,967.1	-	-	-	-
<b>Colorado</b>						
October 2019	208.9	2,205.1	-	-	-	-
September 2019	201.9	2,173.3	-	-	-	-
October 2018	238.8	2,208.0	-	-	-	-
<b>Idaho</b>						
October 2019	W	972.9	-	-	-	-
September 2019	W	875.6	-	-	-	-
October 2018	W	769.1	-	-	-	-
<b>Montana</b>						
October 2019	W	1,214.3	-	-	-	-
September 2019	W	1,180.9	-	-	-	-
October 2018	W	1,179.9	-	-	-	-
<b>Utah</b>						
October 2019	W	1,926.5	-	-	-	-
September 2019	W	1,838.9	-	-	-	-
October 2018	W	1,556.6	-	-	-	-
<b>Wyoming</b>						
October 2019	414.0	1,090.4	-	-	-	-
September 2019	290.3	1,340.0	-	-	-	-
October 2018	334.3	1,253.5	-	-	-	-
<b>PAD District 5</b>						
October 2019	W	20,895.9	W	-	W	W
September 2019	W	21,779.8	W	-	W	W
October 2018	W	W	W	-	W	W
<b>Alaska</b>						
October 2019	W	W	-	-	-	-
September 2019	W	W	-	-	-	-
October 2018	W	W	-	-	-	-
<b>Arizona</b>						
October 2019	465.2	837.6	-	-	-	-
September 2019	463.6	884.5	-	-	-	-
October 2018	442.2	990.0	-	-	-	-
<b>California</b>						
October 2019	1,094.6	W	-	-	-	W
September 2019	1,076.7	W	-	-	-	W
October 2018	1,295.0	W	-	-	-	W
<b>Hawaii</b>						
October 2019	W	W	W	-	W	W
September 2019	W	W	W	-	W	W
October 2018	W	W	W	-	W	W
<b>Nevada</b>						
October 2019	W	519.1	-	-	-	-
September 2019	W	488.3	-	-	-	-
October 2018	W	508.4	-	-	-	-
<b>Oregon</b>						
October 2019	24.9	2,389.5	-	-	-	-
September 2019	28.0	2,086.8	-	-	-	-
October 2018	3.9	2,224.9	-	-	-	-
<b>Washington</b>						
October 2019	201.5	W	-	-	W	W
September 2019	W	W	-	-	-	W
October 2018	W	3,486.6	-	-	-	-

- = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

Notes: - In January 2007, ultra low-sulfur diesel fuel was added. - Values shown for the current month are preliminary. Values shown for previous months are revised. Data through 2019 are final. Totals may not equal the sum of the components due to rounding.

Sources: - U.S. Energy Information Administration Form EIA-782A, Refiners'/Gas Plant Operators, Monthly Petroleum Product Sales Report.

**Table 43. Refiner No. 2 distillate and fuel oil volumes by PAD District and state**  
thousand gallons per day

Geographic area month	No. 2 fuel oil		No. 2 distillate	
	Sales to end users	Sales for resale	Sales to end users	Sales for resale
<b>United States</b>				
October 2019	150.6	6,193.1	11,427.5	174,784.5
September 2019	80.7	4,137.9	12,307.8	164,470.4
October 2018	60.5	9,708.5	13,351.4	170,940.6
<b>PAD District 1</b>				
October 2019	W	W	1,486.7	36,539.9
September 2019	W	W	1,502.5	32,602.8
October 2018	W	6,612.3	1,638.3	38,432.5
<b>Subdistrict 1A</b>				
October 2019	-	W	W	2,968.4
September 2019	-	482.1	W	1,763.4
October 2018	-	1,135.5	W	2,909.8
<b>Connecticut</b>				
October 2019	-	W	W	1,267.7
September 2019	-	233.2	W	806.2
October 2018	-	524.2	W	1,161.4
<b>Maine</b>				
October 2019	-	W	-	441.3
September 2019	-	W	-	179.1
October 2018	-	W	-	W
<b>Massachusetts</b>				
October 2019	-	W	W	528.2
September 2019	-	W	W	299.1
October 2018	-	W	W	409.0
<b>New Hampshire</b>				
October 2019	-	W	W	W
September 2019	-	W	W	W
October 2018	-	W	W	W
<b>Rhode Island</b>				
October 2019	-	224.5	W	498.8
September 2019	-	58.0	W	347.8
October 2018	-	W	W	NA
<b>Vermont</b>				
October 2019	-	W	-	W
September 2019	-	W	-	W
October 2018	-	W	W	W
<b>Subdistrict 1B</b>				
October 2019	W	3,665.5	W	17,008.2
September 2019	W	2,214.9	W	15,888.7
October 2018	W	5,116.5	W	19,833.5
<b>Delaware</b>				
October 2019	-	W	W	W
September 2019	-	W	W	W
October 2018	-	W	W	W
<b>District of Columbia</b>				
October 2019	-	-	-	W
September 2019	-	-	-	W
October 2018	-	-	-	W
<b>Maryland</b>				
October 2019	-	W	W	1,589.2
September 2019	W	W	W	1,039.9
October 2018	-	W	W	1,454.1
<b>New Jersey</b>				
October 2019	W	2,729.3	128.2	9,028.3
September 2019	-	1,556.2	148.9	7,651.9
October 2018	-	3,329.6	173.6	9,487.6
<b>New York</b>				
October 2019	-	464.2	209.1	1,653.9
September 2019	-	332.3	207.3	1,377.6
October 2018	W	357.8	190.9	1,801.1
<b>Pennsylvania</b>				
October 2019	W	274.8	142.0	4,341.1
September 2019	W	W	194.3	5,374.1
October 2018	W	707.4	292.6	5,904.3

See footnotes at end of table.

**Table 43. Refiner No. 2 distillate and fuel oil volumes by PAD District and state (cont.)**

thousand gallons per day

Geographic area month	No. 2 fuel oil		No. 2 distillate	
	Sales to end users	Sales for resale	Sales to end users	Sales for resale
<b>Subdistrict 1C</b>				
October 2019	-	73.2	895.3	16,563.2
September 2019	-	W	831.0	14,950.7
October 2018	-	360.4	927.0	15,689.1
<b>Florida</b>				
October 2019	-	-	227.8	5,119.7
September 2019	-	-	202.0	4,288.5
October 2018	-	-	255.6	4,901.7
<b>Georgia</b>				
October 2019	-	-	49.1	3,003.4
September 2019	-	-	54.5	2,943.6
October 2018	-	-	75.4	2,641.3
<b>North Carolina</b>				
October 2019	-	W	323.8	3,197.2
September 2019	-	W	370.3	3,013.1
October 2018	-	W	416.3	2,892.1
<b>South Carolina</b>				
October 2019	-	-	W	1,657.7
September 2019	-	-	W	1,591.4
October 2018	-	W	W	1,670.8
<b>Virginia</b>				
October 2019	-	W	6.5	2,587.8
September 2019	-	-	6.0	2,323.4
October 2018	-	W	W	2,731.4
<b>West Virginia</b>				
October 2019	-	W	W	997.4
September 2019	-	W	W	790.7
October 2018	-	W	W	851.8
<b>PAD District 2</b>				
October 2019	W	114.8	3,334.7	52,495.4
September 2019	W	75.7	4,563.3	48,753.1
October 2018	W	W	4,896.9	50,049.7
<b>Illinois</b>				
October 2019	-	-	166.1	7,616.6
September 2019	-	-	334.7	7,548.3
October 2018	-	-	372.2	7,192.6
<b>Indiana</b>				
October 2019	-	-	W	5,106.5
September 2019	-	-	W	4,240.7
October 2018	-	-	W	4,219.5
<b>Iowa</b>				
October 2019	-	-	29.3	2,553.1
September 2019	-	-	24.2	1,904.7
October 2018	-	-	19.6	2,314.4
<b>Kansas</b>				
October 2019	-	-	358.3	3,876.0
September 2019	-	-	W	3,894.0
October 2018	-	-	413.7	3,651.6
<b>Kentucky</b>				
October 2019	-	-	375.3	1,936.2
September 2019	-	-	376.8	1,876.8
October 2018	-	-	469.6	2,027.5
<b>Michigan</b>				
October 2019	-	110.4	174.6	3,100.2
September 2019	-	72.3	230.8	2,720.9
October 2018	-	W	242.3	2,668.9
<b>Minnesota</b>				
October 2019	W	W	305.8	3,280.0
September 2019	W	W	316.4	2,593.4
October 2018	W	W	340.4	2,987.4
<b>Missouri</b>				
October 2019	-	-	1.0	1,854.6
September 2019	-	-	1.5	1,650.0
October 2018	-	-	2.8	1,699.8

See footnotes at end of table.



**Table 43. Refiner No. 2 distillate and fuel oil volumes by PAD District and state (cont.)**

thousand gallons per day

Geographic area month	No. 2 fuel oil		No. 2 distillate	
	Sales to end users	Sales for resale	Sales to end users	Sales for resale
<b>PAD District 2 (cont.)</b>				
<b>Nebraska</b>				
October 2019	-	-	W	1,695.9
September 2019	-	-	W	1,423.1
October 2018	-	-	W	1,560.4
<b>North Dakota</b>				
October 2019	W	-	W	1,479.2
September 2019	W	-	W	1,572.5
October 2018	W	-	W	1,644.5
<b>Ohio</b>				
October 2019	-	-	422.7	5,755.3
September 2019	-	-	597.5	5,643.3
October 2018	-	-	788.1	5,773.4
<b>Oklahoma</b>				
October 2019	-	-	225.0	6,931.7
September 2019	-	-	210.3	7,208.7
October 2018	-	-	W	7,379.7
<b>South Dakota</b>				
October 2019	W	-	W	726.4
September 2019	W	-	W	653.8
October 2018	W	-	W	768.5
<b>Tennessee</b>				
October 2019	-	-	205.6	4,049.6
September 2019	-	-	318.7	3,607.4
October 2018	-	-	363.7	3,829.8
<b>Wisconsin</b>				
October 2019	W	W	45.8	2,534.2
September 2019	W	W	56.3	2,215.5
October 2018	W	-	55.9	2,331.7
<b>PAD District 3</b>				
October 2019	-	937.0	2,549.7	56,827.3
September 2019	-	1,332.4	2,634.9	53,148.0
October 2018	-	3,030.7	2,840.3	53,043.8
<b>Alabama</b>				
October 2019	-	-	173.6	1,808.4
September 2019	-	-	169.9	1,964.7
October 2018	-	-	137.8	1,826.8
<b>Arkansas</b>				
October 2019	-	-	W	1,709.8
September 2019	-	-	W	1,519.5
October 2018	-	-	W	1,486.0
<b>Louisiana</b>				
October 2019	-	W	182.5	10,265.1
September 2019	-	693.1	155.7	13,500.8
October 2018	-	W	207.1	11,542.8
<b>Mississippi</b>				
October 2019	-	W	W	2,246.9
September 2019	-	-	W	2,494.1
October 2018	-	W	W	2,961.3
<b>New Mexico</b>				
October 2019	-	-	289.5	1,081.6
September 2019	-	-	254.4	1,035.3
October 2018	-	-	432.6	1,275.4
<b>Texas</b>				
October 2019	-	672.8	1,803.0	39,715.5
September 2019	-	639.3	1,922.5	32,633.6
October 2018	-	1,963.2	1,848.9	33,951.5

See footnotes at end of table.

**Table 43. Refiner No. 2 distillate and fuel oil volumes by PAD District and state (cont.)**

thousand gallons per day

Geographic area month	No. 2 fuel oil		No. 2 distillate	
	Sales to end users	Sales for resale	Sales to end users	Sales for resale
<b>PAD District 4</b>				
October 2019	W	-	1,164.0	7,409.2
September 2019	W	-	1,087.1	7,408.7
October 2018	W	-	1,277.6	6,967.1
<b>Colorado</b>				
October 2019	-	-	208.9	2,205.1
September 2019	-	-	201.9	2,173.3
October 2018	-	-	238.8	2,208.0
<b>Idaho</b>				
October 2019	W	-	W	972.9
September 2019	W	-	W	875.6
October 2018	W	-	W	769.1
<b>Montana</b>				
October 2019	-	-	W	1,214.3
September 2019	-	-	W	1,180.9
October 2018	-	-	W	1,179.9
<b>Utah</b>				
October 2019	W	-	245.5	1,926.5
September 2019	W	-	251.1	1,838.9
October 2018	W	-	459.4	1,556.6
<b>Wyoming</b>				
October 2019	-	-	414.0	1,090.4
September 2019	-	-	290.3	1,340.0
October 2018	-	-	334.3	1,253.5
<b>PAD District 5</b>				
October 2019	W	W	2,892.4	21,512.8
September 2019	W	W	2,520.0	22,557.7
October 2018	W	W	2,698.4	22,447.5
<b>Alaska</b>				
October 2019	W	W	W	W
September 2019	W	W	W	W
October 2018	W	W	W	W
<b>Arizona</b>				
October 2019	-	-	465.2	837.6
September 2019	-	-	463.6	884.5
October 2018	-	-	442.2	990.0
<b>California</b>				
October 2019	-	-	1,094.6	13,900.1
September 2019	-	-	1,076.7	14,354.2
October 2018	-	-	1,295.0	14,618.6
<b>Hawaii</b>				
October 2019	-	-	W	W
September 2019	-	-	W	W
October 2018	-	-	W	W
<b>Nevada</b>				
October 2019	W	-	W	519.1
September 2019	W	-	W	488.3
October 2018	W	-	NA	508.4
<b>Oregon</b>				
October 2019	-	-	24.9	2,389.5
September 2019	-	-	28.0	2,086.8
October 2018	-	-	3.9	2,224.9
<b>Washington</b>				
October 2019	W	-	425.9	3,481.2
September 2019	W	-	231.6	4,061.5
October 2018	W	-	262.1	3,486.6

- = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

Notes: - In January 2007, ultra low-sulfur diesel fuel was added. - Values shown for the current month are preliminary. Values shown for previous months are revised. Data through 2019 are final. Totals may not equal the sum of the components due to rounding.

Sources: - U.S. Energy Information Administration Form EIA-782A, Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report.

**Table 44. Refiner residual fuel oil and no. 4 fuel volumes by PAD District**

thousand gallons per day

Geographic area month	Residual fuel oil						No. 4 fuel[a]	
	Sulfur less than or equal to 1%		Sulfur greater than 1%		Total		Sales to end users	Sales for resale
	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale		
United States								
October 2019	W	1,663.6	W	6,080.9	2,765.3	7,744.5	-	W
September 2019	W	W	W	W	3,242.5	7,494.3	-	W
October 2018	W	240.4	W	7,044.0	3,773.4	7,284.4	-	W
PAD District 1								
October 2019	W	W	W	W	W	W	-	-
September 2019	W	W	W	W	W	2,976.2	-	-
October 2018	W	W	W	W	W	W	-	-
Subdistrict 1A								
October 2019	-	-	-	-	-	-	-	-
September 2019	-	-	-	-	-	-	-	-
October 2018	-	-	-	-	-	-	-	-
Subdistrict 1B								
October 2019	W	W	W	W	W	W	-	-
September 2019	W	W	W	W	W	2,976.2	-	-
October 2018	W	W	W	W	W	W	-	-
Subdistrict 1C								
October 2019	-	-	-	-	-	-	-	-
September 2019	-	-	-	-	-	-	-	-
October 2018	-	-	-	-	-	-	-	-
PAD District 2								
October 2019	-	-	W	-	W	-	-	-
September 2019	-	-	W	-	W	-	-	-
October 2018	-	-	W	W	W	W	-	-
PAD District 3								
October 2019	-	W	174.8	W	174.8	2,962.8	-	W
September 2019	-	W	550.6	W	550.6	2,655.1	-	W
October 2018	-	W	602.7	W	602.7	3,440.7	-	W
PAD District 4								
October 2019	-	-	-	W	-	W	-	-
September 2019	-	-	-	W	-	W	-	-
October 2018	-	-	-	W	-	W	-	-
PAD District 5								
October 2019	W	W	W	W	2,318.8	1,761.9	-	-
September 2019	W	-	W	W	2,406.8	W	-	-
October 2018	W	W	W	W	2,800.4	1,315.8	-	-

- = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

Notes: Values shown for the current month are preliminary. Values shown for previous months may be revised. Data through 2019 are final.

Sources: - U.S. Energy Information Administration Form EIA-782A, *Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report*.

# **Prime Supplier Sales Volumes of Petroleum Products for Local Consumption**

**Table 45. Prime supplier sales volumes of motor gasoline by grade, formulation, PAD District, and state**  
thousand gallons per day

Geographic area month	Regular			Midgrade		
	Conventional	Reformulated	Total	Conventional	Reformulated	Total
<b>United States</b>						
October 2019	221,159.8	104,193.5	325,353.4	3,542.9	1,966.7	5,509.6
September 2019	213,516.9	103,138.9	316,655.8	3,555.3	2,046.1	5,601.4
October 2018	225,261.7	105,637.6	330,899.3	3,614.8	2,273.0	5,887.8
<b>PAD District 1</b>						
October 2019	66,885.1	40,588.3	107,473.4	1,327.6	679.6	2,007.2
September 2019	63,048.2	40,567.9	103,616.1	1,341.1	708.8	2,049.9
October 2018	68,055.4	41,589.7	109,645.0	1,330.8	864.2	2,195.0
<b>Subdistrict 1A</b>						
October 2019	1,736.3	12,484.1	14,220.4	20.6	205.9	226.5
September 2019	1,719.7	12,112.0	13,831.6	21.7	218.3	240.0
October 2018	1,897.1	13,164.7	15,061.8	16.8	299.5	316.3
<b>Connecticut</b>						
October 2019	-	3,114.7	3,114.7	-	35.8	35.8
September 2019	-	3,072.4	3,072.4	-	39.7	39.7
October 2018	-	3,586.8	3,586.8	-	80.1	80.1
<b>Maine</b>						
October 2019	717.2	1,101.0	1,818.2	11.5	13.9	25.3
September 2019	740.6	1,095.4	1,836.0	14.2	14.9	29.1
October 2018	776.6	1,151.0	1,927.6	5.5	16.7	22.3
<b>Massachusetts</b>						
October 2019	-	5,563.9	5,563.9	-	118.3	118.3
September 2019	-	5,392.8	5,392.8	-	121.2	121.2
October 2018	-	5,700.4	5,700.4	-	150.1	150.1
<b>New Hampshire</b>						
October 2019	340.2	1,064.4	1,404.6	2.6	12.5	15.2
September 2019	331.6	1,031.8	1,363.4	1.7	15.1	16.8
October 2018	300.5	1,153.9	1,454.4	2.1	21.6	23.8
<b>Rhode Island</b>						
October 2019	-	1,640.0	1,640.0	-	25.4	25.4
September 2019	-	1,519.6	1,519.6	-	27.4	27.4
October 2018	-	1,572.5	1,572.5	-	31.0	31.0
<b>Vermont</b>						
October 2019	678.9	-	678.9	6.5	-	6.5
September 2019	647.5	-	647.5	5.8	-	5.8
October 2018	820.1	-	820.1	9.1	-	9.1
<b>Subdistrict 1B</b>						
October 2019	13,788.4	23,911.5	37,699.9	152.6	410.4	563.0
September 2019	12,622.8	24,420.2	37,043.0	149.0	427.9	576.9
October 2018	12,953.9	24,084.4	37,038.3	125.5	488.9	614.4
<b>Delaware</b>						
October 2019	-	967.3	967.3	-	8.0	8.0
September 2019	-	1,164.9	1,164.9	-	8.8	8.8
October 2018	-	1,215.5	1,215.5	-	9.5	9.5
<b>District of Columbia</b>						
October 2019	-	164.8	164.8	-	3.1	3.1
September 2019	-	184.4	184.4	-	3.0	3.0
October 2018	-	164.8	164.8	-	2.9	2.9
<b>Maryland</b>						
October 2019	570.9	4,514.5	5,085.4	4.7	47.5	52.2
September 2019	568.6	4,300.2	4,868.7	7.3	52.5	59.8
October 2018	511.1	4,285.9	4,797.0	4.4	63.5	67.9
<b>New Jersey</b>						
October 2019	-	8,729.3	8,729.3	-	121.1	121.1
September 2019	-	8,960.2	8,960.2	-	125.3	125.3
October 2018	-	8,785.9	8,785.9	-	129.2	129.2
<b>New York</b>						
October 2019	5,852.1	7,045.5	12,897.6	89.7	205.2	294.9
September 2019	5,765.4	6,887.1	12,652.5	87.7	214.3	302.0
October 2018	5,985.6	7,087.1	13,072.7	64.9	256.9	321.9
<b>Pennsylvania</b>						
October 2019	7,365.4	2,490.0	9,855.5	58.2	25.5	83.6
September 2019	6,288.8	2,923.5	9,212.3	54.0	24.0	78.0
October 2018	6,457.2	2,545.1	9,002.4	56.2	26.8	83.0

See footnotes at end of table.

**Table 45. Prime supplier sales volumes of motor gasoline by grade, formulation, PAD District, and state (cont.)**

thousand gallons per day

Geographic area month	Premium			All grades		
	Conventional	Reformulated	Total	Conventional	Reformulated	Total
<b>United States</b>						
October 2019	23,585.0	19,558.5	43,143.5	248,287.7	125,718.7	374,006.4
September 2019	23,752.5	19,891.3	43,643.8	240,824.7	125,076.3	365,901.0
October 2018	22,670.9	18,878.5	41,549.4	251,547.3	126,789.2	378,336.5
<b>PAD District 1</b>						
October 2019	7,497.1	7,043.0	14,540.1	75,709.8	48,310.9	124,020.6
September 2019	7,458.3	7,087.5	14,545.8	71,847.7	48,364.2	120,211.8
October 2018	7,220.3	6,519.3	13,739.6	76,606.5	48,973.2	125,579.6
<b>Subdistrict 1A</b>						
October 2019	113.9	1,845.5	1,959.5	1,870.8	14,535.5	16,406.3
September 2019	122.5	1,849.5	1,972.0	1,863.8	14,179.8	16,043.6
October 2018	115.9	1,644.3	1,760.2	2,029.8	15,108.5	17,138.3
<b>Connecticut</b>						
October 2019	-	536.1	536.1	-	3,686.6	3,686.6
September 2019	-	541.6	541.6	-	3,653.7	3,653.7
October 2018	-	498.6	498.6	-	4,165.6	4,165.6
<b>Maine</b>						
October 2019	34.8	95.1	129.9	763.5	1,210.0	1,973.4
September 2019	41.0	101.4	142.5	795.8	1,211.8	2,007.6
October 2018	35.7	89.9	125.6	817.9	1,257.7	2,075.5
<b>Massachusetts</b>						
October 2019	-	847.8	847.8	-	6,530.0	6,530.0
September 2019	-	845.6	845.6	-	6,359.6	6,359.6
October 2018	-	727.7	727.7	-	6,578.2	6,578.2
<b>New Hampshire</b>						
October 2019	17.8	130.7	148.5	360.6	1,207.7	1,568.3
September 2019	18.3	131.4	149.8	351.6	1,178.3	1,530.0
October 2018	13.6	120.6	134.2	316.2	1,296.2	1,612.4
<b>Rhode Island</b>						
October 2019	-	235.9	235.9	-	1,901.3	1,901.3
September 2019	-	229.4	229.4	-	1,776.4	1,776.4
October 2018	-	207.4	207.4	-	1,810.8	1,810.8
<b>Vermont</b>						
October 2019	61.3	-	61.3	746.7	-	746.7
September 2019	63.1	-	63.1	716.4	-	716.4
October 2018	66.6	-	66.6	895.8	-	895.8
<b>Subdistrict 1B</b>						
October 2019	1,269.0	4,413.4	5,682.4	15,210.0	28,735.3	43,945.3
September 2019	1,313.6	4,479.4	5,793.0	14,085.3	29,327.5	43,412.9
October 2018	1,058.1	4,100.1	5,158.2	14,137.5	28,673.5	42,810.9
<b>Delaware</b>						
October 2019	-	123.6	123.6	-	1,098.9	1,098.9
September 2019	-	144.3	144.3	-	1,317.9	1,317.9
October 2018	-	143.0	143.0	-	1,368.0	1,368.0
<b>District of Columbia</b>						
October 2019	-	34.3	34.3	-	202.2	202.2
September 2019	-	41.9	41.9	-	229.3	229.3
October 2018	-	34.1	34.1	-	201.8	201.8
<b>Maryland</b>						
October 2019	52.3	780.3	832.6	627.9	5,342.3	5,970.2
September 2019	58.2	739.6	797.8	634.1	5,092.2	5,726.3
October 2018	45.1	682.9	728.0	560.6	5,032.3	5,592.9
<b>New Jersey</b>						
October 2019	-	1,391.4	1,391.4	-	10,241.7	10,241.7
September 2019	-	1,405.9	1,405.9	-	10,491.4	10,491.4
October 2018	-	1,312.5	1,312.5	-	10,227.6	10,227.6
<b>New York</b>						
October 2019	542.5	1,701.2	2,243.6	6,484.3	8,951.9	15,436.2
September 2019	638.7	1,715.1	2,353.8	6,491.8	8,816.5	15,308.3
October 2018	496.6	1,571.9	2,068.5	6,547.1	8,915.9	15,463.1
<b>Pennsylvania</b>						
October 2019	674.3	382.6	1,057.0	8,097.9	2,898.2	10,996.1
September 2019	616.7	432.7	1,049.3	6,959.4	3,380.2	10,339.6
October 2018	516.3	355.8	872.1	7,029.7	2,927.8	9,957.5

See footnotes at end of table.

**Table 45. Prime supplier sales volumes of motor gasoline by grade, formulation, PAD District, and state (cont.)**  
thousand gallons per day

Geographic area month	Regular			Midgrade		
	Conventional	Reformulated	Total	Conventional	Reformulated	Total
<b>Subdistrict 1C</b>						
October 2019	51,360.4	4,192.7	55,553.1	1,154.4	63.3	1,217.7
September 2019	48,705.8	4,035.7	52,741.5	1,170.5	62.6	1,233.0
October 2018	53,204.4	4,340.5	57,544.9	1,188.5	75.7	1,264.3
<b>Florida</b>						
October 2019	16,739.6	-	16,739.6	290.3	-	290.3
September 2019	15,368.4	-	15,368.4	282.7	-	282.7
October 2018	17,877.0	-	17,877.0	313.0	-	313.0
<b>Georgia</b>						
October 2019	11,512.2	-	11,512.2	333.0	-	333.0
September 2019	11,255.0	-	11,255.0	337.7	-	337.7
October 2018	12,087.7	-	12,087.7	344.1	-	344.1
<b>North Carolina</b>						
October 2019	11,107.6	-	11,107.6	273.8	-	273.8
September 2019	10,619.8	-	10,619.8	289.8	-	289.8
October 2018	10,808.7	-	10,808.7	272.3	-	272.3
<b>South Carolina</b>						
October 2019	6,522.6	-	6,522.6	179.8	-	179.8
September 2019	6,200.2	-	6,200.2	179.9	-	179.9
October 2018	6,530.9	-	6,530.9	176.3	-	176.3
<b>Virginia</b>						
October 2019	3,735.4	4,192.7	7,928.1	59.9	63.3	123.2
September 2019	3,608.0	4,035.7	7,643.7	62.4	62.6	125.0
October 2018	3,846.1	4,340.5	8,186.6	65.1	75.7	140.8
<b>West Virginia</b>						
October 2019	1,742.9	-	1,742.9	17.6	-	17.6
September 2019	1,654.3	-	1,654.3	17.9	-	17.9
October 2018	2,054.0	-	2,054.0	17.9	-	17.9
<b>PAD District 2</b>						
October 2019	81,050.7	12,896.1	93,946.8	1,092.0	176.2	1,268.2
September 2019	77,993.7	12,554.5	90,548.2	1,076.5	174.6	1,251.1
October 2018	81,002.2	13,611.4	94,613.6	1,138.1	192.9	1,331.0
<b>Illinois</b>						
October 2019	4,260.0	7,119.2	11,379.2	48.9	84.7	133.6
September 2019	4,029.7	6,786.7	10,816.4	47.7	82.5	130.2
October 2018	4,504.4	7,315.8	11,820.1	58.9	92.1	151.0
<b>Indiana</b>						
October 2019	6,721.8	1,060.6	7,782.4	80.6	22.8	103.4
September 2019	6,255.0	1,036.2	7,291.2	75.6	23.6	99.1
October 2018	6,845.7	1,015.1	7,860.9	83.2	22.7	105.9
<b>Iowa</b>						
October 2019	3,637.2	-	3,637.2	90.8	-	90.8
September 2019	3,272.6	-	3,272.6	84.5	-	84.5
October 2018	2,816.3	-	2,816.3	86.2	-	86.2
<b>Kansas</b>						
October 2019	4,024.3	-	4,024.3	52.2	-	52.2
September 2019	3,948.0	-	3,948.0	52.1	-	52.1
October 2018	4,007.5	-	4,007.5	50.5	-	50.5
<b>Kentucky</b>						
October 2019	4,510.4	658.0	5,168.4	60.3	11.3	71.6
September 2019	4,460.0	647.6	5,107.7	60.7	11.7	72.4
October 2018	4,472.7	843.5	5,316.2	57.3	16.0	73.3
<b>Michigan</b>						
October 2019	12,243.6	-	12,243.6	77.7	-	77.7
September 2019	11,668.5	-	11,668.5	79.4	-	79.4
October 2018	12,425.0	-	12,425.0	82.5	-	82.5
<b>Minnesota</b>						
October 2019	5,956.4	-	5,956.4	103.8	-	103.8
September 2019	5,602.3	-	5,602.3	99.5	-	99.5
October 2018	5,825.1	-	5,825.1	123.0	-	123.0
<b>Missouri</b>						
October 2019	5,367.6	2,064.6	7,432.2	77.2	39.2	116.4
September 2019	4,976.5	2,197.0	7,173.5	74.7	39.4	114.1
October 2018	4,929.8	2,483.9	7,413.7	79.9	43.7	123.7

See footnotes at end of table.

**Table 45. Prime supplier sales volumes of motor gasoline by grade, formulation, PAD District, and state (cont.)**

thousand gallons per day

Geographic area month	Premium			All grades		
	Conventional	Reformulated	Total	Conventional	Reformulated	Total
<b>Subdistrict 1C</b>						
October 2019	6,114.2	784.0	6,898.2	58,629.0	5,040.1	63,669.1
September 2019	6,022.3	758.6	6,780.8	55,898.5	4,856.8	60,755.3
October 2018	6,046.3	774.9	6,821.2	60,439.2	5,191.2	65,630.4
<b>Florida</b>						
October 2019	2,268.4	-	2,268.4	19,298.4	-	19,298.4
September 2019	2,241.1	-	2,241.1	17,892.2	-	17,892.2
October 2018	2,354.1	-	2,354.1	20,544.1	-	20,544.1
<b>Georgia</b>						
October 2019	1,425.9	-	1,425.9	13,271.1	-	13,271.1
September 2019	1,412.0	-	1,412.0	13,004.7	-	13,004.7
October 2018	1,460.6	-	1,460.6	13,892.4	-	13,892.4
<b>North Carolina</b>						
October 2019	1,296.2	-	1,296.2	12,677.6	-	12,677.6
September 2019	1,283.9	-	1,283.9	12,193.5	-	12,193.5
October 2018	1,192.8	-	1,192.8	12,273.8	-	12,273.8
<b>South Carolina</b>						
October 2019	683.1	-	683.1	7,385.5	-	7,385.5
September 2019	668.7	-	668.7	7,048.9	-	7,048.9
October 2018	622.4	-	622.4	7,329.5	-	7,329.5
<b>Virginia</b>						
October 2019	312.1	784.0	1,096.1	4,107.3	5,040.1	9,147.4
September 2019	316.3	758.6	1,074.9	3,986.8	4,856.8	8,843.6
October 2018	306.3	774.9	1,081.2	4,217.5	5,191.2	9,408.7
<b>West Virginia</b>						
October 2019	128.4	-	128.4	1,889.0	-	1,889.0
September 2019	100.2	-	100.2	1,772.4	-	1,772.4
October 2018	110.1	-	110.1	2,182.0	-	2,182.0
<b>PAD District 2</b>						
October 2019	6,374.8	1,468.8	7,843.6	88,517.6	14,541.1	103,058.7
September 2019	6,426.8	1,443.5	7,870.3	85,496.9	14,172.6	99,669.6
October 2018	6,083.0	1,503.7	7,586.7	88,223.4	15,308.0	103,531.4
<b>Illinois</b>						
October 2019	256.0	902.3	1,158.4	4,564.9	8,106.2	12,671.1
September 2019	253.4	875.2	1,128.6	4,330.8	7,744.3	12,075.2
October 2018	229.4	946.4	1,175.8	4,792.6	8,354.3	13,146.9
<b>Indiana</b>						
October 2019	451.0	102.5	553.6	7,253.4	1,185.9	8,439.3
September 2019	432.4	105.8	538.2	6,763.0	1,165.6	7,928.6
October 2018	436.1	92.6	528.7	7,365.0	1,130.4	8,495.5
<b>Iowa</b>						
October 2019	300.5	-	300.5	4,028.5	-	4,028.5
September 2019	301.3	-	301.3	3,658.4	-	3,658.4
October 2018	297.3	-	297.3	3,199.8	-	3,199.8
<b>Kansas</b>						
October 2019	348.1	-	348.1	4,424.5	-	4,424.5
September 2019	352.4	-	352.4	4,352.5	-	4,352.5
October 2018	319.3	-	319.3	4,377.3	-	4,377.3
<b>Kentucky</b>						
October 2019	269.0	67.3	336.3	4,839.6	736.6	5,576.3
September 2019	273.4	68.8	342.3	4,794.1	728.2	5,522.3
October 2018	244.6	79.5	324.1	4,774.5	939.1	5,713.6
<b>Michigan</b>						
October 2019	729.7	-	729.7	13,051.0	-	13,051.0
September 2019	737.2	-	737.2	12,485.1	-	12,485.1
October 2018	714.8	-	714.8	13,222.2	-	13,222.2
<b>Minnesota</b>						
October 2019	555.2	-	555.2	6,615.4	-	6,615.4
September 2019	564.8	-	564.8	6,266.6	-	6,266.6
October 2018	521.6	-	521.6	6,469.8	-	6,469.8
<b>Missouri</b>						
October 2019	405.5	219.3	624.7	5,850.4	2,323.0	8,173.4
September 2019	414.3	218.7	633.0	5,465.5	2,455.1	7,920.6
October 2018	353.5	221.6	575.1	5,363.2	2,749.3	8,112.5

See footnotes at end of table.



**Table 45. Prime supplier sales volumes of motor gasoline by grade, formulation, PAD District, and state (cont.)**

thousand gallons per day

Geographic area month	Regular			Midgrade		
	Conventional	Reformulated	Total	Conventional	Reformulated	Total
<b>PAD District 2 (cont.)</b>						
<b>Nebraska</b>						
October 2019	2,174.6	-	2,174.6	41.6	-	41.6
September 2019	2,071.2	-	2,071.2	44.5	-	44.5
October 2018	2,058.4	-	2,058.4	35.7	-	35.7
<b>North Dakota</b>						
October 2019	939.8	-	939.8	20.7	-	20.7
September 2019	929.1	-	929.1	21.5	-	21.5
October 2018	1,006.9	-	1,006.9	23.3	-	23.3
<b>Ohio</b>						
October 2019	12,581.0	-	12,581.0	140.3	-	140.3
September 2019	12,300.1	-	12,300.1	140.2	-	140.2
October 2018	12,688.3	-	12,688.3	153.8	-	153.8
<b>Oklahoma</b>						
October 2019	4,923.8	-	4,923.8	67.2	-	67.2
September 2019	4,799.3	-	4,799.3	67.0	-	67.0
October 2018	5,104.4	-	5,104.4	65.0	-	65.0
<b>South Dakota</b>						
October 2019	1,182.1	-	1,182.1	22.1	-	22.1
September 2019	1,193.5	-	1,193.5	21.4	-	21.4
October 2018	1,120.4	-	1,120.4	26.5	-	26.5
<b>Tennessee</b>						
October 2019	8,444.4	-	8,444.4	171.1	-	171.1
September 2019	8,479.0	-	8,479.0	169.9	-	169.9
October 2018	8,656.9	-	8,656.9	172.1	-	172.1
<b>Wisconsin</b>						
October 2019	4,083.8	1,993.7	6,077.5	37.5	18.3	55.8
September 2019	4,008.7	1,887.0	5,895.7	37.7	17.5	55.2
October 2018	4,540.5	1,953.1	6,493.5	40.2	18.3	58.5
<b>PAD District 3</b>						
October 2019	43,099.1	16,611.8	59,710.9	548.9	268.2	817.1
September 2019	42,975.9	16,211.1	59,187.0	549.3	270.4	819.7
October 2018	46,195.0	15,790.6	61,985.6	541.5	270.4	811.9
<b>Alabama</b>						
October 2019	6,554.4	-	6,554.4	83.9	-	83.9
September 2019	6,432.7	-	6,432.7	83.6	-	83.6
October 2018	6,455.3	-	6,455.3	92.6	-	92.6
<b>Arkansas</b>						
October 2019	3,617.7	-	3,617.7	40.5	-	40.5
September 2019	3,518.9	-	3,518.9	39.5	-	39.5
October 2018	3,651.9	-	3,651.9	40.4	-	40.4
<b>Louisiana</b>						
October 2019	6,503.8	-	6,503.8	46.3	-	46.3
September 2019	6,417.2	-	6,417.2	47.0	-	47.0
October 2018	7,257.6	-	7,257.6	51.5	-	51.5
<b>Mississippi</b>						
October 2019	3,948.9	-	3,948.9	50.1	-	50.1
September 2019	3,811.0	-	3,811.0	51.7	-	51.7
October 2018	4,064.3	-	4,064.3	52.6	-	52.6
<b>New Mexico</b>						
October 2019	2,434.9	-	2,434.9	81.9	-	81.9
September 2019	2,382.6	-	2,382.6	81.5	-	81.5
October 2018	2,516.2	-	2,516.2	81.0	-	81.0
<b>Texas</b>						
October 2019	20,039.3	16,611.8	36,651.2	246.2	268.2	514.4
September 2019	20,413.5	16,211.1	36,624.6	246.0	270.4	516.5
October 2018	22,249.6	15,790.6	38,040.3	223.4	270.4	493.8

See footnotes at end of table.

**Table 45. Prime supplier sales volumes of motor gasoline by grade, formulation, PAD District, and state (cont.)**

thousand gallons per day

Geographic area month	Premium			All grades		
	Conventional	Reformulated	Total	Conventional	Reformulated	Total
<b>PAD District 2 (cont.)</b>						
<b>Nebraska</b>						
October 2019	234.3	-	234.3	2,450.5	-	2,450.5
September 2019	237.2	-	237.2	2,352.9	-	2,352.9
October 2018	219.3	-	219.3	2,313.4	-	2,313.4
<b>North Dakota</b>						
October 2019	100.7	-	100.7	1,061.2	-	1,061.2
September 2019	106.9	-	106.9	1,057.4	-	1,057.4
October 2018	98.4	-	98.4	1,128.5	-	1,128.5
<b>Ohio</b>						
October 2019	858.3	-	858.3	13,579.6	-	13,579.6
September 2019	866.7	-	866.7	13,307.0	-	13,307.0
October 2018	857.9	-	857.9	13,700.0	-	13,700.0
<b>Oklahoma</b>						
October 2019	533.0	-	533.0	5,524.1	-	5,524.1
September 2019	499.1	-	499.1	5,365.4	-	5,365.4
October 2018	456.2	-	456.2	5,625.6	-	5,625.6
<b>South Dakota</b>						
October 2019	111.4	-	111.4	1,315.6	-	1,315.6
September 2019	122.8	-	122.8	1,337.8	-	1,337.8
October 2018	104.3	-	104.3	1,251.2	-	1,251.2
<b>Tennessee</b>						
October 2019	873.4	-	873.4	9,488.8	-	9,488.8
September 2019	880.7	-	880.7	9,529.6	-	9,529.6
October 2018	852.5	-	852.5	9,681.4	-	9,681.4
<b>Wisconsin</b>						
October 2019	348.8	177.4	526.1	4,470.1	2,189.3	6,659.4
September 2019	384.2	175.0	559.2	4,430.6	2,079.5	6,510.1
October 2018	378.1	163.5	541.7	4,958.8	2,134.9	7,093.7
<b>PAD District 3</b>						
October 2019	3,917.6	2,460.0	6,377.6	47,565.5	19,340.0	66,905.6
September 2019	3,926.3	2,363.5	6,289.9	47,451.5	18,845.1	66,296.6
October 2018	3,821.5	2,129.6	5,951.1	50,557.9	18,190.6	68,748.6
<b>Alabama</b>						
October 2019	582.1	-	582.1	7,220.5	-	7,220.5
September 2019	567.2	-	567.2	7,083.5	-	7,083.5
October 2018	557.1	-	557.1	7,105.0	-	7,105.0
<b>Arkansas</b>						
October 2019	312.2	-	312.2	3,970.4	-	3,970.4
September 2019	318.5	-	318.5	3,876.9	-	3,876.9
October 2018	287.3	-	287.3	3,979.6	-	3,979.6
<b>Louisiana</b>						
October 2019	558.4	-	558.4	7,108.5	-	7,108.5
September 2019	551.0	-	551.0	7,015.3	-	7,015.3
October 2018	576.5	-	576.5	7,885.6	-	7,885.6
<b>Mississippi</b>						
October 2019	306.7	-	306.7	4,305.7	-	4,305.7
September 2019	301.6	-	301.6	4,164.2	-	4,164.2
October 2018	291.1	-	291.1	4,407.9	-	4,407.9
<b>New Mexico</b>						
October 2019	308.4	-	308.4	2,825.2	-	2,825.2
September 2019	309.1	-	309.1	2,773.1	-	2,773.1
October 2018	306.8	-	306.8	2,904.0	-	2,904.0
<b>Texas</b>						
October 2019	1,849.8	2,460.0	4,309.8	22,135.4	19,340.0	41,475.4
September 2019	1,878.9	2,363.5	4,242.5	22,538.5	18,845.1	41,383.6
October 2018	1,802.8	2,129.6	3,932.4	24,275.8	18,190.6	42,466.5

See footnotes at end of table.

**Table 45. Prime supplier sales volumes of motor gasoline by grade, formulation, PAD District, and state (cont.)**

thousand gallons per day

Geographic area month	Regular			Midgrade		
	Conventional	Reformulated	Total	Conventional	Reformulated	Total
<b>PAD District 4</b>						
October 2019	12,491.7	-	12,491.7	282.6	-	282.6
September 2019	12,731.5	-	12,731.5	294.8	-	294.8
October 2018	12,417.1	-	12,417.1	277.4	-	277.4
<b>Colorado</b>						
October 2019	5,145.8	-	5,145.8	106.4	-	106.4
September 2019	5,278.2	-	5,278.2	112.2	-	112.2
October 2018	5,141.4	-	5,141.4	113.0	-	113.0
<b>Idaho</b>						
October 2019	1,841.1	-	1,841.1	14.1	-	14.1
September 2019	1,840.2	-	1,840.2	21.4	-	21.4
October 2018	1,762.0	-	1,762.0	21.4	-	21.4
<b>Montana</b>						
October 2019	1,607.7	-	1,607.7	68.3	-	68.3
September 2019	1,716.3	-	1,716.3	70.1	-	70.1
October 2018	1,692.6	-	1,692.6	68.6	-	68.6
<b>Utah</b>						
October 2019	3,068.4	-	3,068.4	72.5	-	72.5
September 2019	3,020.5	-	3,020.5	69.4	-	69.4
October 2018	2,953.5	-	2,953.5	59.7	-	59.7
<b>Wyoming</b>						
October 2019	828.7	-	828.7	21.4	-	21.4
September 2019	876.2	-	876.2	21.7	-	21.7
October 2018	867.6	-	867.6	14.7	-	14.7
<b>PAD District 5</b>						
October 2019	17,633.2	34,097.3	51,730.5	291.8	842.6	1,134.5
September 2019	16,767.7	33,805.4	50,573.1	293.5	892.3	1,185.8
October 2018	17,592.0	34,645.9	52,238.0	327.0	945.5	1,272.5
<b>Alaska</b>						
October 2019	577.0	-	577.0	W	-	W
September 2019	633.2	-	633.2	W	-	W
October 2018	587.4	-	587.4	W	-	W
<b>Arizona</b>						
October 2019	W	W	7,246.3	W	W	124.8
September 2019	2,678.7	4,281.8	6,960.5	W	W	123.8
October 2018	2,779.6	4,184.6	6,964.2	W	W	126.9
<b>California</b>						
October 2019	-	29,917.9	29,917.9	-	W	768.0
September 2019	-	29,523.5	29,523.5	-	W	816.6
October 2018	-	30,461.4	30,461.4	-	W	870.5
<b>Hawaii</b>						
October 2019	965.4	-	965.4	W	-	W
September 2019	974.0	-	974.0	W	-	W
October 2018	970.7	-	970.7	W	-	W
<b>Nevada</b>						
October 2019	W	W	2,568.5	50.0	-	50.0
September 2019	2,502.7	-	2,502.7	52.5	-	52.5
October 2018	2,552.5	-	2,552.5	72.8	-	72.8
<b>Oregon</b>						
October 2019	3,837.3	-	3,837.3	25.4	-	25.4
September 2019	3,598.2	-	3,598.2	25.5	-	25.5
October 2018	3,960.2	-	3,960.2	26.9	-	26.9
<b>Washington</b>						
October 2019	6,618.0	-	6,618.0	80.5	-	80.5
September 2019	6,381.0	-	6,381.0	81.8	-	81.8
October 2018	6,741.6	-	6,741.6	89.1	-	89.1

See footnotes at end of table.

**Table 45. Prime supplier sales volumes of motor gasoline by grade, formulation, PAD District, and state (cont.)**

thousand gallons per day

Geographic area month	Premium			All grades		
	Conventional	Reformulated	Total	Conventional	Reformulated	Total
<b>PAD District 4</b>						
October 2019	2,740.3	-	2,740.3	15,514.7	-	15,514.7
September 2019	2,856.1	-	2,856.1	15,882.4	-	15,882.4
October 2018	2,537.5	-	2,537.5	15,231.9	-	15,231.9
<b>Colorado</b>						
October 2019	1,109.6	-	1,109.6	6,361.8	-	6,361.8
September 2019	1,178.5	-	1,178.5	6,568.9	-	6,568.9
October 2018	1,038.5	-	1,038.5	6,293.0	-	6,293.0
<b>Idaho</b>						
October 2019	300.5	-	300.5	2,155.7	-	2,155.7
September 2019	321.0	-	321.0	2,182.6	-	2,182.6
October 2018	282.7	-	282.7	2,066.1	-	2,066.1
<b>Montana</b>						
October 2019	283.2	-	283.2	1,959.2	-	1,959.2
September 2019	325.4	-	325.4	2,111.9	-	2,111.9
October 2018	270.9	-	270.9	2,032.1	-	2,032.1
<b>Utah</b>						
October 2019	874.3	-	874.3	4,015.2	-	4,015.2
September 2019	836.5	-	836.5	3,926.5	-	3,926.5
October 2018	785.0	-	785.0	3,798.2	-	3,798.2
<b>Wyoming</b>						
October 2019	172.7	-	172.7	1,022.7	-	1,022.7
September 2019	194.6	-	194.6	1,092.6	-	1,092.6
October 2018	160.3	-	160.3	1,042.6	-	1,042.6
<b>PAD District 5</b>						
October 2019	3,055.1	8,586.7	11,641.8	20,980.2	43,526.7	64,506.8
September 2019	3,084.9	8,996.8	12,081.7	20,146.1	43,694.5	63,840.6
October 2018	3,008.5	8,725.9	11,734.5	20,927.6	44,317.4	65,245.0
<b>Alaska</b>						
October 2019	W	-	W	656.0	-	656.0
September 2019	W	-	W	715.4	-	715.4
October 2018	W	-	W	666.4	-	666.4
<b>Arizona</b>						
October 2019	W	W	934.0	W	W	8,305.2
September 2019	W	W	945.7	3,113.2	4,916.7	8,029.9
October 2018	W	W	905.7	3,216.6	4,780.1	7,996.7
<b>California</b>						
October 2019	-	W	8,055.0	-	38,741.0	38,741.0
September 2019	-	W	8,437.6	-	38,777.7	38,777.7
October 2018	-	W	8,205.5	-	39,537.3	39,537.3
<b>Hawaii</b>						
October 2019	W	-	W	1,268.9	-	1,268.9
September 2019	W	-	W	1,278.9	-	1,278.9
October 2018	W	-	W	1,275.6	-	1,275.6
<b>Nevada</b>						
October 2019	W	W	608.3	W	W	3,226.8
September 2019	636.3	-	636.3	3,191.5	-	3,191.5
October 2018	594.9	-	594.9	3,220.2	-	3,220.2
<b>Oregon</b>						
October 2019	491.6	-	491.6	4,354.4	-	4,354.4
September 2019	499.7	-	499.7	4,123.4	-	4,123.4
October 2018	477.3	-	477.3	4,464.4	-	4,464.4
<b>Washington</b>						
October 2019	1,256.1	-	1,256.1	7,954.7	-	7,954.7
September 2019	1,261.1	-	1,261.1	7,723.9	-	7,723.9
October 2018	1,253.5	-	1,253.5	8,084.3	-	8,084.3

- = No data reported.

W = Withheld to avoid disclosure of individual company data.

Notes: - Beginning January 2007, oxygenated gasoline is included in conventional gasoline. - Values shown for the current month are preliminary. Values shown for previous months are revised. Data through 2019 are final. Totals may not equal the sum of the components due to rounding.

Sources: - U.S. Energy Information Administration, Form EIA-782C, *Monthly Report of Prime Supplier Sales of Petroleum Products Sold for Local Consumption*.

**Table 46. Prime supplier sales volumes of aviation fuels, no. 4 fuel oil, propane, and residual fuel oil by PAD District and state**

thousand gallons per day

Geographic area month	Aviation gasoline	Kerosene-type jet fuel	No. 4 fuel oil[a]	Propane (consumer grade)	Residual fuel oil		Total residual fuel oil
					Sulfur less than or equal to 1%	Sulfur greater than 1%	
United States							
October 2019	458.3	64,276.2	W	31,659.6	1,974.6	8,009.5	9,984.2
September 2019	462.2	66,628.2	W	25,771.9	1,413.5	10,148.8	11,562.3
October 2018	556.8	64,702.4	W	34,246.2	1,346.5	12,295.7	13,642.2
PAD District 1							
October 2019	147.1	14,201.2	W	6,208.9	880.9	1,884.0	2,764.8
September 2019	146.8	15,003.4	W	5,330.2	389.5	W	W
October 2018	154.4	14,167.7	W	6,385.7	198.1	3,818.3	4,016.4
Subdistrict 1A							
October 2019	16.2	1,665.4	W	1,165.0	W	W	83.4
September 2019	21.9	1,628.9	W	934.8	W	W	W
October 2018	14.7	1,858.6	W	1,143.1	W	W	63.1
Connecticut							
October 2019	1.8	215.7	-	122.1	W	-	W
September 2019	3.5	183.3	-	89.6	W	-	W
October 2018	1.5	213.2	-	124.7	W	-	W
Maine							
October 2019	2.5	123.9	-	309.7	W	W	38.9
September 2019	4.0	102.8	W	258.0	W	W	16.4
October 2018	2.5	133.7	-	294.7	W	W	38.1
Massachusetts							
October 2019	7.6	1,110.9	W	197.5	W	W	27.0
September 2019	8.9	1,175.9	W	184.7	W	W	W
October 2018	6.9	1,337.3	W	191.7	W	W	10.0
New Hampshire							
October 2019	2.8	95.0	W	312.3	W	-	W
September 2019	2.9	54.4	W	220.1	W	-	W
October 2018	1.9	61.4	W	296.4	W	-	W
Rhode Island							
October 2019	W	88.1	-	20.9	-	-	-
September 2019	W	81.6	-	19.9	-	-	-
October 2018	W	83.3	W	19.1	W	-	W
Vermont							
October 2019	W	31.7	W	202.5	W	-	W
September 2019	W	30.9	W	162.5	W	-	W
October 2018	W	29.6	W	216.4	W	-	W
Subdistrict 1B							
October 2019	32.5	7,801.0	W	2,500.3	699.0	1,605.5	2,304.5
September 2019	35.4	9,061.1	W	1,981.4	W	W	2,351.4
October 2018	30.0	7,777.0	W	2,351.9	W	W	2,756.4
Delaware							
October 2019	1.0	W	-	115.5	W	W	W
September 2019	0.9	11.4	-	98.2	W	W	W
October 2018	0.6	13.9	-	113.5	-	W	W
District of Columbia							
October 2019	-	W	-	-	-	-	-
September 2019	-	-	-	-	-	-	-
October 2018	-	-	-	-	-	-	-
Maryland							
October 2019	5.7	214.0	-	277.6	-	-	-
September 2019	5.2	214.6	-	245.5	-	-	-
October 2018	6.0	215.5	-	232.9	-	W	W
New Jersey							
October 2019	6.7	2,703.5	W	142.1	W	W	1,824.1
September 2019	8.1	2,941.3	W	129.7	W	W	W
October 2018	5.9	3,260.8	W	139.3	130.7	1,826.9	1,957.6
New York							
October 2019	9.5	3,366.7	W	793.9	W	W	389.2
September 2019	11.0	3,564.0	W	636.5	W	W	506.7
October 2018	8.6	3,624.5	W	823.1	21.0	723.3	744.3
Pennsylvania							
October 2019	9.5	1,504.5	-	1,171.3	W	W	W
September 2019	10.1	2,329.8	-	871.6	W	W	W
October 2018	8.9	662.4	-	1,043.1	W	W	W

See footnotes at end of table.

**Table 46. Prime supplier sales volumes of aviation fuels, no. 4 fuel oil, propane, and residual fuel oil by PAD District and state (cont.)**

thousand gallons per day

Geographic area month	Aviation gasoline	Kerosene-type jet fuel	No. 4 fuel oil[a]	Propane (consumer grade)	Residual fuel oil		Total residual fuel oil
					Sulfur less than or equal to 1%	Sulfur greater than 1%	
Subdistrict 1C							
October 2019	98.4	4,734.8	-	2,543.5	W	W	377.0
September 2019	89.5	4,313.3	-	2,414.0	-	287.9	287.9
October 2018	109.7	4,532.2	-	2,890.7	-	1,196.9	1,196.9
Florida							
October 2019	53.4	2,506.9	-	475.2	-	201.2	201.2
September 2019	46.1	2,102.5	-	529.6	-	266.4	266.4
October 2018	57.7	2,388.7	-	546.2	-	800.0	800.0
Georgia							
October 2019	16.3	426.8	-	433.0	W	W	152.5
September 2019	14.2	492.2	-	362.8	-	W	W
October 2018	18.5	341.1	-	519.2	-	182.7	182.7
North Carolina							
October 2019	12.1	375.6	-	742.5	-	W	W
September 2019	12.1	338.2	-	753.8	-	W	W
October 2018	12.2	394.6	-	722.9	-	W	W
South Carolina							
October 2019	7.2	308.7	-	306.1	-	W	W
September 2019	4.9	262.0	-	234.8	-	W	W
October 2018	8.1	263.9	-	439.6	-	W	W
Virginia							
October 2019	8.1	1,091.3	-	431.5	-	-	-
September 2019	10.3	1,093.3	-	389.7	-	-	-
October 2018	10.2	1,118.5	-	493.5	-	-	-
West Virginia							
October 2019	1.3	25.5	-	155.2	-	-	-
September 2019	1.9	25.1	-	143.2	-	-	-
October 2018	3.1	25.3	-	169.3	-	-	-
PAD District 2							
October 2019	103.4	11,226.0	-	12,738.6	-	129.3	129.3
September 2019	114.0	11,399.7	-	7,487.4	W	W	W
October 2018	103.5	11,774.7	-	12,142.3	-	W	W
Illinois							
October 2019	10.4	3,110.3	-	1,681.6	-	-	-
September 2019	11.7	3,143.6	-	887.9	-	-	-
October 2018	10.4	3,136.8	-	1,034.1	-	-	-
Indiana							
October 2019	6.8	1,079.2	-	637.8	-	W	W
September 2019	8.0	1,155.2	-	432.1	-	W	W
October 2018	8.9	1,363.4	-	505.7	-	W	W
Iowa							
October 2019	4.4	98.0	-	2,360.4	-	-	-
September 2019	4.4	87.5	-	598.3	-	-	-
October 2018	3.8	103.0	-	2,127.4	-	-	-
Kansas							
October 2019	4.8	148.9	-	785.7	-	-	-
September 2019	8.0	136.7	-	508.3	-	-	-
October 2018	6.6	130.1	-	667.5	-	-	-
Kentucky							
October 2019	4.8	1,682.1	-	304.9	-	-	-
September 2019	4.5	1,496.3	-	279.3	-	-	-
October 2018	3.9	1,693.6	-	360.8	-	-	-
Michigan							
October 2019	10.5	569.7	-	890.5	-	W	W
September 2019	9.3	541.4	-	885.0	-	W	W
October 2018	7.8	548.6	-	807.4	-	W	W
Minnesota							
October 2019	7.6	352.5	-	1,447.5	-	W	W
September 2019	9.0	398.0	-	633.6	-	W	W
October 2018	8.5	368.8	-	1,830.3	-	W	W
Missouri							
October 2019	7.2	380.0	-	957.9	-	-	-
September 2019	9.3	351.7	-	622.9	-	-	-
October 2018	8.4	385.6	-	834.4	-	-	-

See footnotes at end of table.

**Table 46. Prime supplier sales volumes of aviation fuels, no. 4 fuel oil, propane, and residual fuel oil by PAD District and state (cont.)**

thousand gallons per day

Geographic area month	Aviation gasoline	Kerosene-type jet fuel	No. 4 fuel oil[a]	Propane (consumer grade)	Residual fuel oil		Total residual fuel oil
					Sulfur less than or equal to 1%	Sulfur greater than 1%	
PAD District 2 (cont.)							
Nebraska							
October 2019	1.9	153.0	-	495.3	-	-	-
September 2019	3.4	148.7	-	256.7	-	-	-
October 2018	3.7	183.2	-	420.5	-	-	-
North Dakota							
October 2019	5.4	103.5	-	645.5	-	-	-
September 2019	5.4	89.0	-	523.2	-	-	-
October 2018	4.4	110.5	-	801.5	-	-	-
Ohio							
October 2019	12.1	1,119.2	-	859.2	-	W	W
September 2019	13.3	1,153.6	-	679.2	W	W	W
October 2018	10.3	1,111.1	-	863.1	-	-	-
Oklahoma							
October 2019	7.0	800.7	-	327.0	-	W	W
September 2019	6.3	1,005.6	-	236.3	-	W	W
October 2018	7.3	839.3	-	315.6	-	-	-
South Dakota							
October 2019	2.1	58.5	-	250.1	-	W	W
September 2019	2.8	55.1	-	180.0	-	W	W
October 2018	3.3	55.9	-	337.6	-	W	W
Tennessee							
October 2019	11.7	1,376.2	-	250.7	-	-	-
September 2019	11.0	1,442.2	-	198.3	-	-	-
October 2018	10.6	1,528.6	-	278.3	-	W	W
Wisconsin							
October 2019	6.5	194.2	-	844.4	-	W	W
September 2019	7.4	195.0	-	566.2	-	W	W
October 2018	5.7	216.3	-	958.1	-	W	W
PAD District 3							
October 2019	75.7	16,052.1	-	9,132.5	94.4	2,632.0	2,726.4
September 2019	75.0	16,741.2	-	9,897.0	21.3	3,598.5	3,619.9
October 2018	64.5	16,140.6	-	12,347.4	W	W	4,331.1
Alabama							
October 2019	9.0	199.0	-	238.0	W	W	W
September 2019	6.9	264.0	-	163.5	W	W	W
October 2018	6.7	194.0	-	283.4	-	W	W
Arkansas							
October 2019	5.9	163.9	-	221.2	-	-	-
September 2019	5.0	143.2	-	128.9	-	-	-
October 2018	4.3	193.9	-	191.9	-	-	-
Louisiana							
October 2019	7.7	2,321.1	-	899.6	-	531.8	531.8
September 2019	7.2	2,504.4	-	1,349.3	-	1,151.1	1,151.1
October 2018	7.5	2,985.7	-	1,164.6	-	1,200.5	1,200.5
Mississippi							
October 2019	4.9	1,680.2	-	267.6	-	W	W
September 2019	5.5	1,748.3	-	167.4	-	W	W
October 2018	4.0	1,735.2	-	282.3	-	W	W
New Mexico							
October 2019	5.2	149.8	-	186.7	-	-	-
September 2019	4.0	136.2	-	156.4	-	-	-
October 2018	5.1	145.5	-	223.5	-	-	-
Texas							
October 2019	43.0	11,538.1	-	7,319.4	W	W	2,144.6
September 2019	46.4	11,945.1	-	7,931.5	W	W	2,366.8
October 2018	36.8	10,886.3	-	10,201.7	W	W	3,033.5

See footnotes at end of table.

**Table 46. Prime supplier sales volumes of aviation fuels, no. 4 fuel oil, propane, and residual fuel oil by PAD District and state (cont.)**

thousand gallons per day

Geographic area month	Aviation gasoline	Kerosene-type jet fuel	No. 4 fuel oil[a]	Propane (consumer grade)	Residual fuel oil		Total residual fuel oil
					Sulfur less than or equal to 1%	Sulfur greater than 1%	
PAD District 4							
October 2019	29.9	1,977.3	-	1,116.6	-	-	-
September 2019	31.4	2,240.3	-	971.9	-	-	-
October 2018	30.2	2,022.2	-	1,041.9	-	W	W
Colorado							
October 2019	11.3	969.5	-	327.2	-	-	-
September 2019	11.7	1,160.0	-	278.8	-	-	-
October 2018	10.6	983.5	-	330.0	-	-	-
Idaho							
October 2019	5.1	97.4	-	132.7	-	-	-
September 2019	6.5	112.3	-	108.8	-	-	-
October 2018	5.6	112.7	-	115.4	-	-	-
Montana							
October 2019	4.0	110.9	-	239.4	-	-	-
September 2019	5.6	137.2	-	219.3	-	-	-
October 2018	5.4	114.4	-	219.5	-	-	-
Utah							
October 2019	6.6	724.5	-	128.5	-	-	-
September 2019	5.7	748.7	-	85.9	-	-	-
October 2018	6.8	764.9	-	113.9	-	-	-
Wyoming							
October 2019	2.8	75.0	-	288.8	-	-	-
September 2019	1.8	82.1	-	279.1	-	-	-
October 2018	1.8	46.7	-	263.2	-	W	W
PAD District 5							
October 2019	102.4	20,819.5	-	2,463.0	999.4	3,364.3	4,363.6
September 2019	95.1	21,243.7	-	2,085.5	W	W	5,091.3
October 2018	204.2	20,597.0	-	2,328.9	W	W	5,174.8
Alaska							
October 2019	W	2,020.1	-	W	-	-	-
September 2019	W	2,062.9	-	W	-	-	-
October 2018	W	1,901.1	-	W	-	-	-
Arizona							
October 2019	21.6	520.9	-	181.3	-	-	-
September 2019	19.2	447.7	-	140.4	-	-	-
October 2018	23.7	477.0	-	218.5	-	-	-
California							
October 2019	52.0	13,076.2	-	1,232.3	W	W	1,968.9
September 2019	42.7	13,005.9	-	1,063.7	-	1,991.6	1,991.6
October 2018	141.2	13,235.7	-	1,188.7	W	W	2,360.2
Hawaii							
October 2019	W	1,625.1	-	W	W	W	W
September 2019	W	1,886.5	-	W	W	W	W
October 2018	W	1,485.7	-	W	W	W	1,577.3
Nevada							
October 2019	5.3	684.1	-	101.5	-	-	-
September 2019	6.6	605.4	-	100.1	-	-	-
October 2018	4.8	627.6	-	100.2	-	-	-
Oregon							
October 2019	9.2	580.9	-	228.2	-	W	W
September 2019	8.7	603.0	-	158.5	-	W	W
October 2018	17.0	512.4	-	176.4	-	-	-
Washington							
October 2019	10.0	2,312.3	-	669.1	W	W	1,305.7
September 2019	13.7	2,632.3	-	575.1	-	1,574.1	1,574.1
October 2018	13.7	2,357.5	-	583.8	-	1,237.3	1,237.3

- = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

[a] Includes No. 4 fuel oil and No. 4 diesel fuel.

Notes: Values shown for the current month are preliminary. Values shown for previous months are revised. Data through 2019 are final. Totals may not equal the sum of the components due to rounding.

Sources: - U.S. Energy Information Administration, Form EIA-782C, *Monthly Report of Prime Supplier Sales of Petroleum Products Sold for Local Consumption*.



**Table 47. Prime supplier sales volumes of distillate fuel oils and kerosene by PAD District and state**

thousand gallons per day

Geographic area month	No. 2 distillate							Total distillate and kerosene
	Kerosene	No. 1 distillate	No. 2 fuel oil	No. 2 diesel fuel			No. 2 distillate	
				Ultra-low sulfur	Low-sulfur	High-sulfur		
United States								
October 2019	W	1,538.0	6,298.6	176,733.5	W	W	184,462.1	187,020.0
September 2019	810.5	W	4,507.2	161,957.9	W	W	167,828.5	169,130.0
October 2018	W	1,341.7	7,467.8	177,857.0	W	W	186,994.9	189,162.8
PAD District 1								
October 2019	266.7	W	5,719.9	43,328.2	-	318.4	49,366.5	49,754.2
September 2019	175.6	W	4,086.0	38,561.6	-	277.8	42,925.5	43,167.7
October 2018	312.1	W	7,000.7	42,519.1	-	319.2	49,839.0	50,316.1
Subdistrict 1A								
October 2019	W	W	2,601.9	W	-	W	6,378.5	6,492.8
September 2019	70.3	W	1,844.3	W	-	W	5,459.2	5,540.6
October 2018	97.7	W	3,125.2	W	-	W	6,976.9	7,142.8
Connecticut								
October 2019	W	W	540.3	725.5	-	-	1,265.7	1,276.7
September 2019	W	W	379.4	692.5	-	-	1,071.9	1,074.4
October 2018	W	W	605.1	779.9	-	-	1,385.0	1,437.8
Maine								
October 2019	W	W	514.7	W	-	W	1,269.4	1,332.5
September 2019	55.3	W	486.7	W	-	W	1,226.3	1,284.5
October 2018	W	W	655.9	W	-	W	1,314.2	1,383.6
Massachusetts								
October 2019	7.7	W	766.3	W	-	W	2,092.9	2,104.9
September 2019	2.9	W	457.7	W	-	W	1,743.1	1,747.4
October 2018	W	W	970.1	W	-	W	2,341.3	2,352.3
New Hampshire								
October 2019	12.6	W	333.3	373.9	-	-	707.2	726.7
September 2019	7.9	W	232.1	340.5	-	-	572.6	584.4
October 2018	4.6	W	413.9	448.1	-	-	862.0	882.6
Rhode Island								
October 2019	W	W	234.4	W	-	W	611.6	612.0
September 2019	W	W	148.6	365.9	-	-	514.5	514.6
October 2018	W	W	255.9	384.7	-	-	640.6	641.3
Vermont								
October 2019	7.1	W	213.0	218.5	-	-	431.5	440.0
September 2019	3.4	W	139.8	191.0	-	-	330.8	335.3
October 2018	9.0	W	224.3	209.5	-	-	433.7	445.2
Subdistrict 1B								
October 2019	117.1	W	3,041.6	W	-	W	18,158.5	18,360.9
September 2019	82.1	W	2,204.4	W	-	W	15,860.5	15,990.3
October 2018	129.3	W	3,651.9	W	-	W	18,078.8	18,289.8
Delaware								
October 2019	W	-	W	W	-	-	W	264.8
September 2019	1.3	-	W	377.9	-	W	390.9	392.1
October 2018	W	-	W	301.6	-	W	W	326.6
District of Columbia								
October 2019	-	-	W	W	-	-	42.2	42.2
September 2019	-	-	W	W	-	-	37.7	37.7
October 2018	W	-	W	W	-	-	W	46.4
Maryland								
October 2019	W	-	179.3	2,088.3	-	W	W	2,301.0
September 2019	4.4	-	77.8	W	-	W	1,883.3	1,887.7
October 2018	W	W	235.5	W	-	W	2,114.5	2,131.7
New Jersey								
October 2019	W	-	640.9	W	-	W	3,997.2	4,007.0
September 2019	W	-	446.7	W	-	W	3,417.7	3,439.7
October 2018	W	-	959.5	W	-	W	4,466.7	4,476.6
New York								
October 2019	52.7	W	1,406.6	W	-	W	5,172.9	5,308.6
September 2019	28.6	W	1,018.3	W	-	W	4,605.7	4,680.3
October 2018	55.1	W	1,431.5	W	-	W	5,072.8	5,207.5
Pennsylvania								
October 2019	41.7	0.8	802.6	W	-	W	6,394.8	6,437.3
September 2019	W	W	648.6	W	-	W	5,525.2	5,552.7
October 2018	W	W	1,001.8	W	-	W	6,055.2	6,101.0

See footnotes at end of table.

**Table 47. Prime supplier sales volumes of distillate fuel oils and kerosene by PAD District and state (cont.)**

thousand gallons per day

Geographic area month	No. 2 distillate							Total distillate and kerosene
	Kerosene	No. 1 distillate	No. 2 fuel oil	No. 2 diesel fuel			No. 2 distillate	
				Ultra-low sulfur	Low-sulfur	High-sulfur		
Subdistrict 1C								
October 2019	W	W	76.4	W	-	W	24,829.5	24,900.5
September 2019	23.2	7.8	37.4	W	-	W	21,605.8	21,636.8
October 2018	85.1	15.0	223.6	W	-	W	24,783.3	24,883.4
Florida								
October 2019	0.5	-	-	W	-	W	6,571.8	6,572.3
September 2019	W	-	-	5,595.2	-	W	W	5,631.4
October 2018	W	-	-	6,751.3	-	W	W	6,864.0
Georgia								
October 2019	W	W	-	W	-	W	5,225.1	5,230.2
September 2019	W	W	-	W	-	W	4,782.8	4,784.8
October 2018	W	W	-	W	-	W	4,961.1	4,965.6
North Carolina								
October 2019	W	W	W	4,200.2	-	W	4,215.5	4,253.2
September 2019	W	W	W	W	-	-	3,784.7	3,802.4
October 2018	W	W	W	W	-	-	4,155.3	4,207.4
South Carolina								
October 2019	5.0	-	W	3,115.7	-	W	3,117.4	3,122.4
September 2019	1.1	-	W	2,602.4	-	W	2,613.7	2,614.8
October 2018	10.8	-	W	3,024.1	-	W	3,034.5	3,045.3
Virginia								
October 2019	15.3	-	39.4	W	-	W	4,201.1	4,216.3
September 2019	6.3	-	12.1	W	-	W	3,540.5	3,546.8
October 2018	22.8	-	148.5	4,151.9	-	-	4,300.5	4,323.3
West Virginia								
October 2019	W	W	22.9	1,475.8	-	-	1,498.7	1,506.0
September 2019	W	W	13.4	W	-	-	W	1,256.6
October 2018	W	W	36.9	W	-	-	W	1,477.8
PAD District 2								
October 2019	73.9	824.2	42.6	W	-	W	60,167.5	61,065.5
September 2019	28.9	140.9	27.3	W	-	W	52,489.5	52,659.3
October 2018	94.0	639.6	50.5	W	-	W	59,513.5	60,247.2
Illinois								
October 2019	6.2	19.9	-	W	-	W	6,911.3	6,937.4
September 2019	2.2	12.5	-	5,737.2	-	-	5,737.2	5,751.8
October 2018	4.4	20.1	-	6,986.2	-	-	6,986.2	7,010.7
Indiana								
October 2019	12.1	4.1	-	W	-	W	5,588.6	5,604.7
September 2019	W	W	-	W	-	W	4,360.0	4,365.5
October 2018	W	W	-	W	-	W	4,907.3	4,924.7
Iowa								
October 2019	1.1	68.1	W	W	-	-	3,781.7	3,850.9
September 2019	0.8	13.8	W	W	-	-	2,787.9	2,802.5
October 2018	1.5	41.5	W	W	-	-	3,559.8	3,602.8
Kansas								
October 2019	3.2	87.9	-	3,210.0	-	-	3,210.0	3,301.1
September 2019	W	W	-	3,623.5	-	-	3,623.5	3,633.9
October 2018	3.3	69.3	-	2,943.5	-	-	2,943.5	3,016.0
Kentucky								
October 2019	W	W	-	W	-	W	2,732.7	2,742.8
September 2019	W	W	-	W	-	W	2,507.1	2,510.2
October 2018	W	W	-	W	-	W	3,003.1	3,018.3
Michigan								
October 2019	7.9	9.1	W	3,752.1	-	W	3,753.7	3,770.7
September 2019	W	W	W	3,269.9	-	W	3,301.7	3,313.5
October 2018	8.8	11.9	W	3,619.2	-	W	3,655.2	3,675.9
Minnesota								
October 2019	4.9	161.8	4.6	3,749.7	-	-	3,754.4	3,921.1
September 2019	2.7	28.1	3.5	2,806.1	-	-	2,809.6	2,840.4
October 2018	5.3	108.3	W	W	-	-	3,669.0	3,782.6
Missouri								
October 2019	1.0	7.2	W	W	-	-	4,558.1	4,566.3
September 2019	W	W	W	W	-	-	4,024.1	4,025.5
October 2018	2.2	7.4	W	W	-	-	3,975.6	3,985.1

See footnotes at end of table.

**Table 47. Prime supplier sales volumes of distillate fuel oils and kerosene by PAD District and state (cont.)**

thousand gallons per day

Geographic area month	No. 2 distillate							Total distillate and kerosene
	Kerosene	No. 1 distillate	No. 2 fuel oil	No. 2 diesel fuel			No. 2 distillate	
				Ultra-low sulfur	Low-sulfur	High-sulfur		
PAD District 2 (cont.)								
Nebraska								
October 2019	W	W	-	2,717.8	-	-	2,717.8	2,819.3
September 2019	-	W	W	W	-	-	W	2,364.3
October 2018	W	W	W	W	-	-	2,603.7	2,668.7
North Dakota								
October 2019	W	W	W	W	-	-	2,133.1	2,373.9
September 2019	W	W	W	W	-	-	2,094.3	2,130.8
October 2018	W	W	W	W	-	-	2,314.4	2,528.6
Ohio								
October 2019	W	W	-	7,194.5	-	-	7,194.5	7,212.9
September 2019	W	W	W	W	-	-	5,637.1	5,646.4
October 2018	W	W	W	W	-	-	6,470.3	6,495.9
Oklahoma								
October 2019	W	W	W	W	-	-	5,165.6	5,174.1
September 2019	W	W	-	5,454.0	-	-	5,454.0	5,462.9
October 2018	W	W	W	W	-	-	6,650.9	6,664.6
South Dakota								
October 2019	-	79.6	W	W	-	-	1,055.1	1,134.7
September 2019	-	W	W	W	-	-	W	915.6
October 2018	W	W	W	W	-	-	1,140.7	1,194.4
Tennessee								
October 2019	W	W	-	4,221.9	-	-	4,221.9	4,230.7
September 2019	W	W	-	3,973.8	-	-	3,973.8	3,979.0
October 2018	W	W	-	W	-	W	4,154.1	4,164.5
Wisconsin								
October 2019	1.6	34.3	W	W	-	-	3,389.0	3,424.9
September 2019	1.2	9.1	W	W	-	-	2,906.5	2,916.8
October 2018	3.6	31.1	W	W	-	-	3,479.7	3,514.4
PAD District 3								
October 2019	591.6	0.7	451.5	39,659.0	-	275.9	40,386.4	40,978.7
September 2019	598.0	1.1	W	38,901.8	-	W	39,440.8	40,039.9
October 2018	326.4	2.0	362.8	42,498.1	W	W	43,286.0	43,614.4
Alabama								
October 2019	W	-	-	2,973.7	-	W	W	3,006.6
September 2019	W	-	-	2,885.7	-	W	W	2,899.5
October 2018	W	-	-	3,015.7	W	W	W	3,072.7
Arkansas								
October 2019	-	W	W	W	-	-	W	2,370.1
September 2019	-	-	W	W	-	-	2,215.3	2,215.3
October 2018	-	W	W	W	-	-	W	2,373.3
Louisiana								
October 2019	W	-	-	4,912.4	-	W	W	5,562.5
September 2019	W	-	-	5,310.6	-	W	W	5,954.9
October 2018	W	W	W	W	-	W	6,349.4	6,599.8
Mississippi								
October 2019	W	-	W	W	-	W	W	2,269.8
September 2019	-	W	-	2,120.4	-	W	W	2,130.2
October 2018	W	W	-	2,263.8	-	-	2,263.8	2,264.7
New Mexico								
October 2019	W	W	-	2,387.0	-	-	2,387.0	2,387.1
September 2019	-	W	-	W	-	-	W	2,010.0
October 2018	W	W	-	2,201.7	-	-	2,201.7	2,202.0
Texas								
October 2019	W	W	413.8	24,795.5	-	168.5	25,377.9	25,382.5
September 2019	W	W	W	W	-	W	24,826.9	24,830.1
October 2018	W	W	191.2	26,589.5	-	282.1	27,062.7	27,101.9

See footnotes at end of table.

**Table 47. Prime supplier sales volumes of distillate fuel oils and kerosene by PAD District and state (cont.)**

thousand gallons per day

Geographic area month	No. 2 distillate							Total distillate and kerosene
	Kerosene	No. 1 distillate	No. 2 fuel oil	No. 2 diesel fuel			No. 2 distillate	
				Ultra-low sulfur	Low-sulfur	High-sulfur		
PAD District 4								
October 2019	W	W	W	W	-	-	10,305.9	10,539.4
September 2019	W	W	2.3	9,525.8	-	-	9,528.1	9,571.5
October 2018	W	W	W	W	-	-	9,538.0	9,731.0
Colorado								
October 2019	-	70.8	-	2,562.6	-	-	2,562.6	2,633.5
September 2019	-	9.8	-	2,456.3	-	-	2,456.3	2,466.1
October 2018	-	45.5	-	2,563.9	-	-	2,563.9	2,609.5
Idaho								
October 2019	W	W	W	W	-	-	1,629.0	1,646.1
September 2019	-	4.4	W	W	-	-	1,444.4	1,448.8
October 2018	W	W	W	W	-	-	1,387.2	1,403.3
Montana								
October 2019	-	75.1	W	W	-	-	1,780.0	1,855.1
September 2019	-	19.4	W	W	-	-	1,733.2	1,752.6
October 2018	-	49.0	W	W	-	-	1,844.7	1,893.6
Utah								
October 2019	W	W	W	W	-	-	2,383.1	2,404.4
September 2019	W	W	W	W	-	-	2,026.4	2,031.2
October 2018	-	18.7	W	W	-	-	2,018.5	2,037.2
Wyoming								
October 2019	-	49.1	-	W	-	-	1,951.2	2,000.3
September 2019	-	5.0	-	W	-	-	1,867.8	1,872.8
October 2018	-	63.7	-	W	-	-	1,723.7	1,787.4
PAD District 5								
October 2019	8.4	438.0	W	W	W	799.9	24,235.8	24,682.2
September 2019	W	W	W	W	W	775.1	23,444.7	23,691.6
October 2018	21.1	414.7	W	W	W	793.2	24,818.4	25,254.2
Alaska								
October 2019	-	W	W	W	-	-	W	W
September 2019	-	W	W	W	-	W	W	W
October 2018	-	W	W	W	-	W	W	W
Arizona								
October 2019	-	-	-	3,427.1	-	-	3,427.1	3,427.1
September 2019	-	-	-	2,871.2	-	-	2,871.2	2,871.2
October 2018	-	-	-	2,702.2	-	-	2,702.2	2,702.2
California								
October 2019	W	W	-	W	-	W	11,553.6	11,565.7
September 2019	W	W	-	W	-	W	11,790.7	11,801.8
October 2018	W	W	-	W	-	W	13,248.1	13,270.1
Hawaii								
October 2019	-	-	-	530.8	W	W	W	W
September 2019	-	-	-	242.6	W	W	W	W
October 2018	-	-	-	464.8	W	W	W	W
Nevada								
October 2019	W	W	W	W	-	-	1,834.4	1,839.3
September 2019	W	W	W	W	-	-	1,548.1	1,549.9
October 2018	W	W	W	W	-	-	1,695.6	1,702.7
Oregon								
October 2019	-	W	-	2,490.9	-	W	W	2,537.6
September 2019	-	W	-	2,105.8	-	W	W	2,112.1
October 2018	-	W	-	W	-	-	W	2,247.5
Washington								
October 2019	W	W	W	3,495.1	-	W	3,752.5	3,765.5
September 2019	W	W	W	3,804.3	-	W	3,840.1	3,846.2
October 2018	W	W	W	3,694.7	-	W	3,705.5	3,719.7

- = No data reported.

W = Withheld to avoid disclosure of individual company data.

Note: - Total Distillate = No. 1 Distillate + No. 2 Distillate + No. 4 Fuel Oil (published on Table 46). - In January 2007, ultra low-sulfur diesel fuel was added. - Values shown for the current month are preliminary. Values shown for previous months are revised. Data through 2019 are final. Totals may not equal the sum of the components due to rounding.

Sources: - U.S. Energy Information Administration, Form EIA-782C, *Monthly Report of Prime Supplier Sales of Petroleum Products Sold for Local Consumption*.